

A Selected Bibliography of Publications by, and about, Paul Adrien Maurice Dirac

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Title word cross-reference

$(1 + 1)$ [Das93]. $(2 + 1)$ [JM99]. $-1/2$ [CT67a]. $-1/2, 1/2, 3/2, 5/2$ [Mac98].
 $-\frac{1}{2}, \frac{1}{2}$ [CT67b]. 1 [CG07]. $1 + 1$ [Fei02]. $1/2$
[CT67a, FA01, Ogu96, dB51, dB52a]. 2.7° [Noe73]. **\$250.00** [War96]. **\$26.00**
[Ryc17]. **\$29.95** [RS10, Dys10]. 3 [RRS06]. $3 + 1$ [Nak00]. $3 + 2$ [Dir63b]. $3/2$
[CT67a]. **\$44.50** [Dre90]. **\$49.50** [Sch85]. **\$7.50** [Suc67]. 6 [DN96]. α
[BM98, LT04]. $\alpha, \beta, \gamma, \delta$ [Som36]. c [IC04, MBS02, Mag15]. D [DSP03]. δ
[DEŠ89, IP56, IP57, Lut07, Sch72]. e [IC04, MBS02]. e^2 [CP68]. ϵ [GGS04]. $\frac{3}{2}$
[CT67b]. G [Dir75f, Dir78b, Dir80g, Dir82f]. G_F [FA10]. $\text{Gr}_2(C^{m+2})$ [Mil98].
 $H^s(\mathbf{R}^3)$ [EV97]. \hbar [IC04]. m_p/m_e [BBSF10, FK07].
 $\mathcal{F}_p(\eta) = 1/\Gamma(p+1) \int_0^\infty [\epsilon^p/(1+e^{\epsilon-\eta})] d\epsilon$ [GFG01]. $SU(2)$ [yRSBSV99]. H_2
[SBK⁺08]. N [Ata89, KY01, MHN98, MB90, Mor85, Won90]. $\nabla^2 n/n$
[MHN98]. $\nabla n/n$ [MHN98]. π [JT10]. q [CPV10, JT10]. R [Szm98, Szm99].
 \mathbf{R}^n [Bet83]. r^t [BBR85]. $s > 1$ [EV97]. $SL(2, \mathbf{C})$ [Hos82, Hos83]. $SO(4)$
[LH86]. $SO(4, 1)$ [BC69]. $sp(4, \mathbf{R})$ [Lee95]. $SU(N)$ [LH86]. SU_2

[Mal75c, Yan78b, Yan78a].

-algorithm [GGS04]. **-dimensional** [Das93, KY01, MB90, Nak00, Won90].
-exponential [JT10]. **-exponentials** [CPV10]. **-function** [Lut07].
-functions [IP56, IP57]. **-invariant** [Hos82, Hos83]. **-matrix**
 [Szm99, Szm98]. **-shell** [DEŠ89]. **-space** [JM99]. **-Uniform** [RRS06].

/van [Sch85]. **/Vigier** [Sch85].

0-521-31911-0 [Ble86, Sch85]. **0-521-34013-6** [Hen89]. **0-521-34017-9**
 [Hen89]. **0-521-36231-8** [War96]. **0-521-38089-8** [Hen91].

1 [Dir43a]. **1911** [Meh75]. **1933** [CCJ+34]. **1933/Chadwick** [Ano51].
1935/1936 [Ano51]. **1945** [Pau45]. **1948** [Hov96, Dar96]. **1959** [LT62].
1960s [Mla98]. **1968** [Sal69]. **1971** [DPI71]. **1972** [Dys74, IPM73, Meh73].
1973 [Kur73]. **1975** [DHS78]. **1978** [KPS+78]. **1979** [Ruf82]. **1984**
 [Cas85, DP86]. **1988** [SDEW90]. **1993** [BCEP94]. **1994** [dG97]. **1999**
 [F+00]. **1D** [BJ03].

2 [UM86]. **20.X.1984** [Smo84]. **2002** [BB03]. **2009** [Pet11]. **2013** [Ano13].
20th [Meh73, SS03, Wal09, Koz90, Med90]. **21st** [RCC+06]. **22** [CCJ+34].
25 [Ble86].

3 [Ryc17]. **30.00** [Hen89]. **35** [Hen91]. **39** [Szm99].

42 [Pei42].

50 [Ben34]. **50th** [DS83].

7.80 [Deh36]. **745** [Goa95, Goa97]. **779** [Mac98].

8.VIII.1902 [Smo84].

'91 [Wat91]. **978** [Ryc17]. **978-0-300-20998-3** [Ryc17].

AB4 [Pei42]. **AB4/42** [Pei42]. **Abb** [Deh36]. **Abdus** [Bel73, Ell91]. **abelian**
 [KM84]. **abermals** [Haa34]. **Abschlusses** [Pau25]. **absolute** [Dir53b].
Absorption [Dir27d, MWF07, Sei36, SCPA04, DH32a]. **abstract**
 [Jär64, Tha88]. **abstrakten** [Jär64]. **academia** [Buc80]. **Academic** [Suc67].
Academy [Dir80c]. **accelerating** [UK82]. **acceptance** [Dir71a]. **Acclaim**
 [Ano30]. **According** [Inf53a, MRB75]. **account** [Alp73]. **Accuracy** [Neu33].
Accurate [BCJT16, Rob85, SM91, SFVW95, YG77, MN97, NM01].
achievement [Hoy92]. **Achinstein** [L.88]. **Across** [Bus10, DP03, II08].
action [Dir74a, Tol98]. **actions** [Lan01]. **activity** [Meh87b]. **adaptation**

[SM35]. **Address** [Dir80a, Pei87a, Wig87a, Wig96a, Wig96b, Haw98, Sno73]. **ADI** [RSK99]. **adiabatic** [Dir25a, Dir25b]. **adjoint** [Zor80]. **adjointness** [KY01, LR79]. **admitting** [KM84]. **Adrien** [Ano52, Ano83a, Ano83b, DP86, Dir74d, Hal85, Hen89, KW87, Pei85, Ram89, Sch88, Stu88, Wig88]. **Advance** [Ano34b]. **Advanced** [Dys07a]. **adventure** [MB11b]. **Aesthetic** [McA90]. **aether** [Dir54a, Dir51b, Dir52a, Dir52b, Dir54d, CO03]. **Aethers** [Dir53a, Dir53a]. **af** [BR64, RRK⁺64]. **After** [Dir60b, Kae48]. **against** [Noe73]. **Age** [Stu18, Meh72, Meh87b]. **Aharonov** [Tam03, Vil95]. **Aid** [CMO00]. **Airplane** [GD10]. **Akademische** [Deh36]. **al** [Sch85]. **Alapveto** [Dir78a]. **Albert** [Ano05, HE82, Kle05, PS79]. **alcohol** [Mag15]. **algebra** [Bor85, CDK90, Cra85, Dir26b, DW09, Ham84, IKRT89b, Lee95, MB91, Mar88, yRSBSV99, Nas84, Ten68, Vrb94]. **Algebraic** [BN72, PSA94, QGW01, RR93, Wat91, AT94]. **Algebraical** [Ano00]. **algebras** [ML93]. **Algorithm** [IKRT89a, GGS04, PSA94, TM85, Goa95, Goa97, Mac98]. **állandök** [Dir78a]. **Allen** [Tiw12]. **allows** [GGS04]. **Almost** [Tau61b]. **alpha** [BMS02b, KM04, MBS02, Bar02]. **alsidighed** [Dir64g]. **Alternative** [Aug95, Bar81]. **Alwyn** [Ble86, Tor87]. **Amateur** [Har01]. **Ambition** [Jon08]. **amplitudes** [Eeg80, NM84]. **Anachronism** [Sta12]. **analogie** [dB32b]. **analogy** [Dir45b, dB32b]. **Analyses** [Dar91, Dar92]. **Analysis** [LU31, Tau63b, BNB94, CK90, CK91, Lig87, LW75, MB90, MB91, Mar88, Pon05, de 89]. **Analytic** [Tu91, Fer86, KY93]. **Analytical** [BDM81a, Kra81a, Lan05b, Nak97]. **Anderson** [Ano51]. **anisotropic** [Por95]. **Annahmen** [Dir77a]. **annihilation** [Dir30e]. **anniversary** [DS83]. **announcement** [Lub75]. **anomalous** [BB85, Beh85, Dat04, Ogu96, Rou84]. **Anpassung** [SM35]. **Ansatz** [CH02]. **Anschluss** [Jär64]. **anti** [Dit15]. **anti-Dirac** [Dit15]. **antilinear** [HW90]. **Antimatter** [Clo10, Dir78h, Jac98]. **Anton** [Fis10a, Fis12a, Fis10a, Fis12a]. **apart** [Far09a]. **Application** [Dav98, DFPP43, Dir45a, LU31, Tiw12, Dir26f, LR79, LRK80, OP95, SMI83, Wig01, WY85, Dav98, PFD43]. **Applications** [CO03, ERW75, FLS76, RL68, SS11, Tha88]. **Applied** [F⁺00, LR59, Kim80a, Kim80b, MD88]. **Appointed** [Ano34b]. **appreciation** [Har01]. **Approach** [Bro05, Fey48, FBD05, CH02, Dir78f, DSP03, IT84, Jun97, Leh91, Nak97, OP95, RdO07, RdO16, SBZ90, Bri18]. **approaches** [Dat04]. **approximants** [Rod80]. **Approximate** [Dir30a, Dir43a, IS10a, PFD43, SM35]. **Approximating** [CK90, CK91]. **Approximation** [QGW01, Inf53b, SS11]. **Approximations** [CT67b, SBB⁺62, CT67a, Fer86]. **Äquivalenzverbot** [JW28]. **Arbeit** [Hei34b]. **Arbitrary** [Dir43a, IKRT89b, Kat00, PFD43]. **Archimedes** [Pic08]. **Aristole** [vW02]. **Aristoteles** [vW02]. **arrival** [Dir82b]. **Arthur** [Deh36]. **Asim** [Ble86, Tor87]. **Aspects** [SW72, Meh75, Pai98, Bel73]. **assessment** [SS03]. **Associated** [GZM05]. **association** [HC87]. **Assumptions** [Dir77a]. **astounding** [Haw11]. **astronomers** [Car01]. **Astronomia** [RCC⁺06]. **astronomical** [SV90]. **astronomy** [FF91].

Astrophysics [Tau63c, IPM73]. **Asymptotic** [BG91, Bou08, Din58, IM95, Nov74, Wal76, CK78, GFG01]. **asymptotically** [Ogu96]. **asymptotics** [Doa91, NP96, SM03]. **atmosphere** [Dir25d]. **Atom** [Ano30, Dir26e, Dir67c, EKI94, Far09b, Har28, Pau25, Bun52, Dat04, Dir30c, MR10, Sto94, RS10, Dys10, Cas10]. **atomaren** [Sei36]. **Atomic** [BBD⁺46, Dir84b, FR13, HSD34a, Ish90, McW73, Pei97, Rob85, Sei36, SH59, WBR76, Bel91, CCJ⁺34, DSK72, Dir36a, Dir55f, LBNZ98]. **atomique** [Dir48e]. **atomiques** [CCJ⁺34]. **átomo** [Bun52]. **Atoms** [CR12, Dat95, Csa81, Dir25c, DH32a, DFW99, Tiw12]. **Atomtheorie** [Ben34, HSD34a, Wil36]. **attached** [Pei42]. **Attraction** [KK10]. **Aufl** [Deh36, Haa34]. **August** [DP86, F⁺00, Zic88, DHS78]. **Ausgestaltung** [Lan30]. **auspices** [CCJ⁺34]. **Australia** [DHS78]. **autographs** [PKKL09]. **autoionization** [ACM10]. **Automata** [Tau63b]. **automatic** [Nil03b]. **automorphism** [Cra93]. **autres** [Kle05, Ano05]. **Award** [Ano33, LW34]. **Axisymmetric** [JP73].

b [Sch85]. **background** [CGKS94, CV02, Fei02, FSY00, Han99, Por95, SS98, YS03]. **bag** [Fei02]. **Baltimore** [L.88]. **bang** [Das96, YS03]. **banquet** [Sno73]. **Barbara** [GG76]. **Bargmann** [MS95]. **Bargmann-** [MS95]. **Barut** [Ble86, Tor87, Sch85]. **Based** [EKI94, AT07, FA10, Haa34]. **Basic** [Dys10, RS10, Dir69a, Jor52, Jor55, MS87]. **Basis** [Dat95, QGW01, Dir29a, Dir38b]. **Be** [Ano30, Far03, Dir62a, Dir69b, Dir70a]. **Beautiful** [Far03, Wri16]. **Beauty** [Dir54b, Dir79a, HK93, McC04, Smo93]. **became** [Cri18]. **Beck** [Nis35a, Nis35b]. **Bedeutung** [Jor59, Smo93, Som36]. **before** [Hen83]. **Began** [Kae48]. **behavior** [Son99]. **behaviour** [CK78]. **behind** [Pic08]. **Behram** [L.88, Ram89, Hen89, Sch88, Stu88]. **Belfer** [Suc67]. **Belief** [Dir76a]. **believe** [Dir80h]. **belleza** [Bas08]. **Bemerkungen** [Hei34b, vN28, Hei34a]. **Bergmann** [GNH78, Kru94, TM85]. **Berichtigung** [Hei34b]. **Besprechung** [Hei30a]. **Bessel** [Car92]. **Bethe** [CH02]. **Between** [Stu18, Bal85, Bok04, Dir25c, Dir39c, Dir45b, dB32b]. **Bibliography** [RZ80]. **Bicentennial** [Pet11]. **Big** [YS03, Das96]. **biographical** [Dal87b]. **biographies** [Ano65]. **Biography** [Dre90, Hen91, Deb13, Kra90, Sch91b, Bro91, Dar92]. **biology** [BP79b]. **Birth** [BH83a, BH83b, RCC⁺06, Sch94b, ACM10, BH82]. **birthday** [BvdM83, Cha73]. **bis** [Fis10a, Fis12a, vW02]. **bispinor** [Cra85]. **black** [FSY00]. **Blackett** [Dir84a]. **Body** [Bus10, CV90, GL92, II08, LC98, SCSB93, Sem93]. **Bohm** [AW17, Col12, Tam03, Vil95]. **Bohr** [Lak96, Bal85, BR64, Bok08, Dir24b, Dir28a, Dir64g, Dir67d, Kra17, MR82d, MR82e, RRK⁺64, Roz67]. **Bohrs** [Dir64g]. **Bondi** [Dir52a]. **Bonn** [Wat91]. **Book** [And88, Bel73, Ble86, Bri18, Bro91, Cas10, Dar96, Dav36, Dre90, Dys74, Dys10, Ell91, Eps35, Ett31, Goe16, Hen89, Hen91, Hov96, Kib98, Kil76, L.88, LJ31, Pau30, Pol58, Ram89, RS10, Ryc17, Sch69, Sch85, Sch88, Sch91b, Sti13,

Stu88, Suc67, Tem35, Tor87, War96, Jär64]. **Books**
 [Dys10, L.88, K.L88, RS10]. **boomerons** [Leo80]. **Boosting** [CKPT04].
Born [Dir60d, Gre05]. **Boronlike** [VIK98]. **Bose**
 [BBR03, Din58, Gau93, Kap40, Kos86]. **bosons** [Bel85, RM96]. **both** [Cra88].
Bound [BB85, RU81, Cor70, IS10a, ZQ90]. **bound-state** [Cor70].
Boundary [GZM05, JP73, FGM⁺96, FSS98, RS87]. **Bounds**
 [SV90, SV95, MS95]. **Bra** [Rob66, D'A02, Pru73]. **bracket**
 [FK70, Lan72, MS68, Rug88, Wot91]. **brackets** [FLS76, Sei99]. **brain**
 [Lip87]. **Branch** [Bun82]. **bras** [Jau72]. **Brave** [HW06]. **Brecht** [Sch99].
Breit [EKI94, Ish90]. **brief** [Pol87b]. **British** [Wal09]. **Brogie**
 [AW17, Ble86, Bou01, Col12, Deh36, Haa34, Sch85, Tor87, Bou01, BVV84,
 Dav98, Haa34, dBDW⁺84]. **Broken** [Pei92, Dir73c, Dir73d]. **Brownian**
 [AW95]. **Brueckner** [MHN98]. **Brussels** [CCJ⁺34]. **Bruxelles**
 [CCJ⁺34, Far01]. **Buch** [Jär64]. **Buchbesprechung** [Deh36, Hei30b, Wil36].
Bücher [Ben34]. **bucket** [BP95]. **bulk** [vN96]. **Bundle**
 [Bri18, Oev88, RdO07, RdO16]. **bundles** [Gre77, UB83]. **Bunge** [Hin77].
Bunin [Ano33].

C.W [Hen89]. **Cabrera** [Lub82]. **Calculated** [Dat95]. **Calculation**
 [IKRT89a, SBB⁺62, Vul03, NM84, Pic89, Sag91]. **Calculations** [DFW99,
 Eeg80, Ish90, QGW01, VIK98, Dir55c, EG84, IKRT89b, IKRT91, YG77].
calculus [Eeg80]. **California** [Ano34a]. **called** [Gol05]. **Calogero** [MS95].
Calogero-type [MS95]. **Cambridge** [Ble86, Dre90, Hen89, Hen91, Pei92,
 Sch85, War96, Ano30, Dir37c, EP72, Hen84, KN03, Pei87a]. **Can**
 [Dir69b, Dir70a]. **canonical** [Bel85, BC69, Olv86, PSA94]. **Carolina**
 [BCEP94]. **Cartan** [DMH85]. **Cartesian** [SC91]. **Case**
 [Bou08, Pas12, Pic81, Kra81a, RSK99]. **case-study** [Kra81a]. **cases** [All03].
cat [Lam87]. **Catania** [RCC⁺06]. **Cauchy** [Cha72]. **Celebration** [Hen89].
Centenary [BCEP94, Hen89, GC97, SS03, Wil05]. **Centennial**
 [RCC⁺06, BB03, HE82]. **Center** [KPS⁺78, KP83]. **Central**
 [Har28, SM91, SCSB93]. **Centre** [Meh73, Ruf82, Sal69]. **centrifugal**
 [IU86, YI90]. **centrifuge** [Dir42c]. **Century**
 [RCC⁺06, Bra09, CM86, Meh73, SS03, Wal09, Wei77, Koz90, Med90].
Certain [Dir79c, Wal76, Gre05]. **certificates** [Ano10]. **Chadwick**
 [Ano51, Dir75e]. **challenge** [CT12]. **challenges** [F⁺00]. **champ** [Dir39a].
Change [Dir79e, Gam67a, Tel48, Wil58]. **chapter** [Kra15a].
Characterization [YYH⁺01]. **characters** [Coq85]. **Charge**
 [Dys67, Gam67d, Per67]. **charged**
 [AW17, Bor85, BG90, FA01, LMV91, RU81]. **che** [Fer24]. **Chebyshev**
 [CT67a, CT67b]. **Chemistry** [Bun82, DN96, Len14]. **Chemists** [Sim02].
chiral [Fin00, Wot91]. **chromodynamics** [F⁺00]. **chronology** [Rec97].
Chronon [GF02]. **Chunk** [BMP14]. **CI** [DN96]. **circle** [All03, BR64].
Claim [Sim02]. **Clarifying** [GG11]. **Class**
 [BG91, DK89, EF77, FM75, IV85, IK91, KL90, Wil91]. **Classical**

[BG90, Dir38a, LBNZ98, Roh60, Bok04, Dir33a, Dir45b, Dir49a, Dir51c, Dir51d, Dir52d, Dir54c, FK70, GS79, MS68, RU81, Sno73, IU86]. **Classically** [GPS86]. **classification** [KLMW88]. **classmate** [Cri18]. **Clifford** [Bri18, CDK90, ML93, PP71, RdO07, RdO16, UB83, Vrb94]. **Closed** [BBR85, Mor85, Bok04]. **Closed-Form** [BBR85]. **closer** [BBSF10]. **Cloud** [Inf53a]. **Cluster** [EKI94]. **clusters** [EG84]. **co** [RRK⁺64]. **co-workers** [RRK⁺64]. **codes** [DSK72]. **colleagues** [BR64, Roz67]. **Collected** [Dar96, Hov96, Tau61a, Tau61b, Tau63a, Tau62, Tau63b, Tau63c, War96, Dal95, Wig96d, Dir02, Dir03b, Dir04, Dir05b]. **Collection** [CMO00, Bus10, Koz90, CMO00]. **College** [Dir37c, Jef87]. **collisions** [Dir27e]. **Colloquium** [ACM10, Bat07, UM86]. **combined** [HD77]. **combs** [Ric03]. **Commemoration** [RCC⁺06, Buc80]. **Comment** [BF12, Kha86, MWF07]. **commentary** [DP97]. **Commission** [BBD⁺46]. **Committe** [Ano67]. **commutation** [Bel85]. **commuting** [KLMW88]. **compact** [BT90]. **Comparison** [QGW01, Dat04]. **Complete** [GFG01, Goa95, RZ80, KLMW88, KL92]. **completion** [MR00, Pau25]. **Complex** [Dir37a, Gre77, Sla29, Eeg80, Hes75, Mar88, Nas86, Pau25, RA11]. **comprehensive** [Her18]. **Compton** [Dir25d, Dir26f, Dir27a]. **Computation** [Fuk14, Goa95, MS38, Wat91, Doa91, Gau93, TM85]. **computational** [Len14]. **computations** [AT07]. **Computer** [F⁺00, IKRT89b]. **Computers** [Tau63b, Len14]. **Computing** [Ano18, Bel91, F⁺00, BDM81b, BDM84]. **concept** [Dir78e, Kra81a]. **Conception** [Dir79c, Dys74, Dir73a, Meh73]. **Conceptual** [Dun12]. **Concluding** [Wig96b]. **conclusions** [Jor66]. **condition** [Dir24b, Her18, YI90]. **conditions** [Dir25c, Dir62a, FGM⁺96, FSS98]. **Conduction** [DuM28]. **cone** [Fin00]. **conférence** [Dir48e]. **Conference** [BCEP94, Dor82, IPM73, Kur73, Pet11, RCC⁺06, DPI71, Far01]. **conferences** [Meh75]. **confined** [Das93]. **Confirmation** [DuM28, Jor62b]. **Conformal** [MSB92, Son99, Dir36c, IU86]. **congruences** [KM84]. **conjecture** [CT83, CPV10]. **conseil** [CCJ⁺34]. **Consequences** [Dir78b, HE06, Jor62a, Jor71, Dir75d, Jär64, HE35]. **Conservation** [Bou85, GS79, GLR14, Dir36a, LCH10]. **Conserved** [Ker83, CV02, SES82]. **Considerations** [Coh70, Fer24]. **Considerazioni** [Fer24]. **Consistency** [GH75]. **Consistent** [Ish90, EG84, MHN98, YL09]. **Consistently** [BSW88]. **Constancy** [Irv83, Per67]. **Constant** [Ano12, BS67, Bek86, BF12, Dir72f, Dir75b, Dir79e, FK07, JRF06, KM12, Mar84, MWF07, Noe73, Rob83, Sch91a, SCPA04, Tel72, WB78, WFC⁺99, Wil93a, WW86, Alp73, AG03, BBSF10, Car01, CKYY07, Cho81, Dir78c, FA10, Hal78, Han99, Inf61, Inf63, Lev80, MG87, Nor86, Ogu96, Peg77, Sch99, ZdSS91]. **Constants** [Gam68, SV95, Tel48, Tel72, Wil58, Alp73, Bar02, BMS02a, Car01, CGK72, Dic59, Dir37b, Dir73b, Dir78a, DOV02, Dys72, Dys78a, Dys78b, DFW99, ES10, GT85a, GT85b, GT86, IC04, Kha86, KPW86, LMSV08, Nil03a, Nor86, Pet85, Pet88, SV90, Uza03]. **Constrained** [Tay87a, BNB94, GB90, Sei99]. **Constraining** [JRF06, SBK⁺08]. **constraint** [CY91]. **Constraints** [sC78,

Pic81, GNH78, Han99, IC04, Kru94, LMSV08, Oev88, Olv86, TM85, YS03].
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 [Sch91a, Pet11]. **Continues** [Ble86, Sch85, Tor87, BVV84, dBDW⁺84].
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 [Dir59d, SC91, SC92a, Vil90b]. **Coral**
 [IPM73, KPS⁺78, KP83, Per80, DPI71, Kur73, Kur87b]. **Corepresentations**
 [HW90]. **Cornelius** [BCEP94]. **Correction** [Hei34b]. **Corrections**
 [Kir97, Csa81, GF02]. **corrector** [Doa91]. **Correlation** [EKI94, MHN98].
Correspondence [Ano67]. **Corrigendum** [CT67a]. **coset** [BILP03, OP95].
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Cosmo-Physics [Kra82]. **Cosmological** [CO03, Dir74b, IRV⁺08, Sch91a,
 BM98, BMS02a, DSW08, Dir37b, Dir78c, Dir78f, Hal78, Por95, ZdSS91].
cosmologies [GT85a, GT85b, GT86]. **Cosmology**
 [Alp73, BBBM90, Dic61, Dir61a, Dir78g, Dir05b, Gam67c, Gam67b, Goe16,
 Kra82, Rei72a, Rei72b, Dir38b, Dir72b, Jor52, Jor55, Kra16, PD62, ZdSS91].
Cosmonumerology [Kra91b, Kra91a]. **cosmos** [HW06]. **cotangent** [Oev88].
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 DSP03, Hos83, Hos87, Hyl84, IS10a, IS10b, IM95, Kim80b, yRSBSV99, RU81,
 ROB64, SWO76, Vil95, WY84, Won90, de 89]. **Coulomb-like** [IS10a, IS10b].
counts [Lub82]. **Coupled** [BSW88, EKI94, BB85, Cha72, LC98]. **Coupling**
 [Löv64, DST92, GT85a, GT85b, GT86]. **couplings** [DSW08, YZ08, YL09].
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[Din58, BDM81a, GFG01, Szm01]. **expectation** [YS03]. **Experiences**

[Ano55, L.88]. **Experiment** [Pei36, Zic84]. **Experimental**

[Ano34a, Dic64, DuM28, MBS02]. **experimenter** [Kri87]. **experiments** [KPW75]. **Explicit** [Cor70]. **exponential** [JT10]. **exponentials** [CPV10]. **Expression** [Lam69, Lam70]. **Expressions** [BBR85, Nov74, Wal76, Car92, Cor70]. **Extend** [Ano34a]. **extended** [BG90, Dir64e, IK91, MHN98, Pru73]. **extensible** [Dir62c]. **Extension** [CV90, AT94]. **Extensions** [All03]. **external** [AD87, Dar90, HM99a, Rou84, SV89b, SV89a, SC91, SC92b, SC92a, SV93, ZQ90]. **extra** [Car01, Kha86, KPW86]. **Extraordinary** [Dir90c, Gib19, Dir88a, Dir88b, Dir90d]. **extrapolation** [CY91].

F.R.S [Dir37c]. **F.R.S.** [DP86]. **Faces** [Bri18, RdO07, RdO16]. **factorization** [Cra85]. **Factors** [Din58]. **Fail** [GLR14]. **faite** [Dir48e]. **Fantastic** [WD06]. **Farmelo** [Cas10, Dys10, RS10, Sti13]. **Fast** [IKRT89a, IKRT91]. **Faster** [zXZ06]. **Father** [Dir03a]. **FD** [FR86]. **FDG** [FR86]. **FDH** [FR86]. **fears** [Dir69c]. **feet** [Pol87a]. **fejlődésük** [Dir78a]. **Feldgleichungen** [EM33a]. **feldtheoretische** [Lan30]. **félé** [Neu33]. **Fermi** [CT67a, Csa81, Csa92, DuM28, GG51, MHN98, Rij66, Tu91, YG77, BDM81a, BDM81b, BDM84, Bel82, Bel94, BBR03, BG91, CT67b, Cra88, Din58, Doa91, Fer86, FA10, Fuk14, FR86, GFG01, Gau93, Goa95, GZDA01, Kap40, Kos86, Löw64, Mac98, MS38, MR51, Mil07, MN97, MKK05, Moh07, NK93, NM01, Pei72, Pic89, Rho50, Sag91, SS11, Tu91, WBD70]. **fermion** [Fei02, ZQ90]. **Fermions** [FK08, Bel85, Col12, MZF⁺12]. **Feynman** [And88, Bus10, CY91, Bro05, DR93, FBD05, II08, KY93, Sch94a, Wüt11a, Wüt11b]. **fidelity** [AME14]. **Field** [Dir50a, Dir55d, Dir83b, Dun12, Har28, Inf53a, Ish90, KK10, KP83, Pau43, Sch69, Sch91a, Suc67, AD87, BN72, Bor85, CDK90, Dar90, Dir31b, Dir39a, Dir51a, Dir55b, Dir55e, Dir59c, Dir62a, Dir62b, Dir62e, Dir64d, Dir64e, Dir66b, Dir68d, Dir87d, EM33a, Gre77, HD77, Inf61, IU86, Jos72, Kur87a, LMV91, Lan30, Lan05a, Mal75a, Mal75b, MS87, Oev88, Ogu96, Olv86, RU81, Ran87, Rou84, Sal87a, Sal87b, Tam03, TCC97, YI90, ZQ90, dG80]. **field-theoretical** [Lan30]. **Fields** [BSW88, SBB⁺62, AW95, AFG75, BCK97, Can98, Car92, Car94, CH02, Dir25a, Dir49a, Dir62d, Hau72, HM99a, Ker90, LW78, Leh91, PR86, Reu99, SM91, SV89b, SV89a, SC91, SC92b, SC92a, SV93, Vil95, Yan78b]. **fifth** [Dor82]. **Fifty** [Kae48, RZ80]. **Fig** [Wil36]. **find** [Lub82]. **Finding** [CMO00, Car01]. **Findings** [Ano30]. **Fine** [BS67, Bek86, FK07, MWF07, SCPA04, WFC⁺99, AG03, BBSF10, Car01, CKYY07, Han99, MG87, Sta12]. **Fine-Structure** [BS67, Bek86, FK07, MWF07, SCPA04, BBSF10, Car01]. **‘Fine-Tuning** [Sta12]. **Finite** [QGW01, Dir62e, Sal87a, Sal87b, SWO76]. **First** [Ano33, Dat95, Ell91, GMW80, SDEW90, Stu18]. **First-Row** [Dat95]. **Fisica** [RCC⁺06, Wei77]. **Fixation** [Dir59d]. **fixed** [BB85]. **Fizika** [Med90, Koz90]. **fizikai** [Dir78a]. **fizike** [BDH70]. **fiziki** [Dir83d]. **Florida** [BB03, CMO00, Hal78, KPS⁺78, Per80, CH16, KP83, Lan87b, Oak00]. **fluid** [IV85]. **Flux** [DP03, Lub82]. **Flux-across-surfaces** [DP03]. **Fock**

[Ish90, Dat95, DN96, VIK98]. **Fock-CI** [DN96]. **Fois** [Ano05, Kle05]. **Foldy** [Hos89]. **Folgerungen** [Jor66, HE35]. **Following** [UL31, Dir28a, Jär64]. **fonction** [Sch72]. **Forbidden** [GPS86]. **Forces** [Ell91, Dir73c, Dir73d, SDEW90, SHD91, Zic88]. **Form** [BBR85, Dir51a, Dir58d, Olv86]. **Formalism** [GG02, Rob66, Suc67, Ant69a, Ant69b, Kam86, Pru73, Wot91, vEdG85, vSJLEdJG86]. **formation** [MS87]. **former** [Phi87]. **Forms** [Dir49b, LC98, Tha88]. **formula** [Doa91, Mor85]. **formulas** [Wig01]. **Formulation** [GG02, Mar65, MR82b, Dir55a, GH75, RM96, Szm98, Szm99, Tjo75]. **fortalt** [BR64, RRK⁺64]. **Fossil** [Mau76]. **Foundation** [Jos72, Mat87, MR82d, MR82e]. **Foundations** [Dir64b, Dir66a, Dir78d, Med89]. **Four** [Ano75, HDW75, DW09, IU86, Lég95, Zas89]. **four-dimensional** [IU86, Lég95]. **Fourier** [CK90, CK91, Lig87]. **Fourth** [Jär64]. **fractionating** [Dir42c]. **frames** [UK82]. **Framework** [Dun12]. **France** [Ano33]. **free** [BT90, Dir25d]. **French** [Bal85, BI34, Bor49, Bou01, CCJ⁺34, CT12, Dav98, Dir31a, Dir34c, Dir39a, Dir49c, Dir52c, Kle05, PS32a, PS32b, Sch72, dB32b, dB32a, dB33, dB34, dB51, dB52b, dB52a]. **frequencies** [Rob85]. **frequency** [Dir24b]. **Friedmann** [Sri83]. **friends** [BR64, RRK⁺64, Roz67]. **frontier** [BBC⁺94, Pet85, Pet88]. **frontiers** [KPS⁺78]. **FRS** [Dal87b]. **fuerzas** [SHD91]. **Function** [AT99, JP73, Lam69, Lam70, Rij66, BMP14, Car92, Deb13, Hos83, Hos87, Hyl84, IM95, JT10, Lut07, Rod80, Sch72, SS11, WY85]. **Functional** [Nil03b, All03, Csa81, SS11]. **Functionals** [Csa92]. **Functions** [Din58, Mac98, MS38, Nov74, ROB64, Rho50, Tau61b, Wal76, AW95, BDM81a, BDM81b, BDM84, Bel91, Dir55c, Fer86, GZDA01, GGS04, IP56, IP57, Kos86, Lig87, LW75, Mal75c, RS87, SWO76, ZQ90]. **Fundamental** [Dir25e, Dir67a, Dir71c, Dir73b, Dir77d, Edd46, Ell91, ES10, IPM73, Kur73, Mar84, Per67, SV95, WBR76, Alp73, CGK72, DPI71, DSW08, Dir84c, Dir84e, DOV02, Dys72, DFW99, IC04, Kha86, KPW86, LMSV08, Lee95, MR82c, Nil03a, Nor86, Pet85, Pet88, SDEW90, SHD91, SV90, Uza03, Dir78a, Str71]. **fundamentales** [SHD91]. **Furry** [Ano34a]. **Further** [Sta67, IP57]. **fusion** [Rei72a, Rei72b]. **Future** [Dir84b, Peg77, Pet11].

G [Dar91, L.88, Stu88]. **Gables** [DPI71, IPM73, Kur73, KPS⁺78, KP83, Per80, Kur87b]. **galaxies** [Hoy87]. **Galileo** [Buc80]. **Gallery** [Pai00a]. **Games** [Tau63c]. **Gamma** [Din58, IKRT89a, Lee95, Pod97]. **Gamma-Matrices** [IKRT89a]. **Gamow** [Alp73, GG76, Har01, Kra91b, Kra91a, Rei72a, Rei72b]. **gaps** [NP96]. **Gas** [DuM28, Fer26]. **Gases** [Fer26]. **Gauge** [BSW88, Dir55a, GB90, Zic84, ZDF⁺84, Ara93, BV85, Dir50c, FG87, Kam86, Pon05, RM96, Yan78b, Dir52c]. **Gauge-invariant** [Dir55a]. **Gaussian** [QGW01, Sag91]. **geb** [Deh36]. **geh** [Ben34]. **gehaltenen** [HSD34a, Wil36]. **Gell** [MHN98]. **Gell-Mann** [MHN98]. **Genauigkeit** [Neu33]. **General** [Ano62, Das93, Dor82, GL92, Hov96, Inf34a, Kil76, NM84, Ruf82, CV90,

Fuk14, LC98, SMI83, UB83, Ant69a, Dir43a, Dir75g, Dir96, Tra92, Wil93b].
générales [Dir53c]. **generalised** [Lig87, NK93]. **Generalization**
 [Yan78b, BCK97, UK82]. **Generalized** [AT99, Dir50b, Dir58b, FR86,
 GZDA01, Lan01, BBR03, DW09, Fei02, Gau93, NM01, Pic89, Riv94, Sag91].
generates [Nas97]. **generators** [Nas84]. **Genesis** [Wüt11b, Kra81b].
Genius [Bri95a, Dys10, Pai00a, Far16]. **geodesic** [KM84]. **Geometric**
 [KR92, Ham84, Kru94, Ran87]. **Geometrical** [Ano00, Jun97, Dir74e].
Geometry [Tau62, Ati98]. **Geophysical** [Jor62a, SV90]. **Geophysics**
 [Jor59, Kra15a, Kra16, Goe16]. **Geophysik** [Jor59]. **George**
 [Alp73, Dys93, GG76, Har01, Rei72a, Rei72b]. **Georges** [Dir68e, Dir72e].
German [Bos24, Dir27e, Dir28f, Dir28d, Dir28e, Dir30b, Dir53a, Dir60b,
 Dir60a, Dir77a, Dir80b, Dir84e, Dir87b, EM33b, EM33a, Far16, Fer26, Fis10a,
 Fis12a, Haa34, Hei34b, Hei34a, HSD34a, HE35, Jär64, JW28, Jor52, Jor55,
 Jor59, Jor66, Lan30, Neu33, Pau25, Pei35, Sch38, Sei36, Smo93, Som34,
 SM35, Som36, vN28, vW02]. **Germany** [Wat91]. **Gesetz** [Bos24]. **Get**
 [Ano33]. **Gets** [Ano33, Ano34b]. **Gleichung** [EM33b, SM35]. **Gleichungen**
 [EM33a]. **Global** [BF12, KM12, KK10, FSS98]. **God** [MB11b]. **Goes**
 [Ano33]. **Gold** [Dir52a]. **golden** [Meh72, Meh87b]. **Gordon**
 [GS79, CV02, SBZ90, VC02, de 89]. **Goudsmit** [Lak96]. **GPS** [Ano12].
gradient [Csa81, Dir24a, PSA94]. **gradient-holonomic** [PSA94]. **gradients**
 [MHN98]. **Graduate** [Suc67, Bus10]. **Graham** [Dys10, Cas10, RS10, Sti13].
grand [DNRV03]. **Grant** [Ano33]. **graphs** [BT90]. **Graßmann**
 [Pet11, Hor11, PKKL09]. **Grassmannian** [Rum86]. **Gravitation**
 [BD61, Dic59, Dir78g, Dir79d, Dir05b, Jor71, ZdSS91, Dir58d, Dir59d, Dir79f,
 Dir79m, Jor62b, LT62, SS98, Dir79g, Dir80e]. **Gravitational** [Dir72f, Dir75b,
 Dir79e, Dir83c, JRF06, Mal75b, Rob83, Sch91a, SBB⁺62, Wil93a, WW86,
 Cho81, Dir59c, Dir62b, Dir62d, Dir62e, Dir64e, Dir68d, Dir78c, Hal78, Inf61,
 Jor66, Lev80, Ros83, Sch99, Web87, Dir60b, Dir60a, Dir87b, Mal75a].
Gravitationshypothese [Jor66]. **Gravitationswellen**
 [Dir60b, Dir60a, Dir87b]. **Gravitatsiya** [Dir05b]. **Gravitochemical** [JRF06].
Gravity [BSW88, Gam67a, Gam67c, Gam67b, Goe16, Kra15b, BP95, Bel85,
 Can98, Kra15a, Kra16, SS72, Jor52, Jor55]. **gravomagnetic** [LBNZ98].
Great [Far03, Hen89, L.88, Ram89, Sch88, Stu88, Wüt11a, Kae48, KW87,
 Pic08, vW02]. **greatest** [Gab13, Wal09]. **Green**
 [Dys93, Hos83, Hos87, Hyl84, IM95, WY85]. **Grenzen** [Neu33]. **Grosse**
 [vW02]. **Grossmann** [Ruf82]. **Group**
 [DSP03, Far01, Tau61b, Wig39, WY84, Dir45c, Dir63b, Dir72a, KM84, Lég95,
 Mal75c, NdIC08, RL68, RRK⁺64, Ten68, Wig89]. **Groups**
 [Wey31b, Wey50, Pau25]. **Grund** [Deh36, Haa34]. **Grundlagen**
 [Jor52, Jor55]. **Gruppentheorie** [Wey31a]. **GTO** [Dat95]. **Guy** [Lan87a].

H [Dar96, Dir61a, Hov96, War96]. **H.** [Dir52a, Dir64a]. **Haas** [Deh36]. **Half**
 [Ano18]. **Half-light** [Ano18]. **Half-matter** [Ano18]. **halos** [Hoy87].
Hamilton [AW17, Caw69, PP71]. **Hamiltonian**

[CY91, Dir50b, Dir51a, Dir58b, Dir58d, Dir59d, Dir64c, DEŠ92, EKI94, JM99, Oev88, Ogu96, Olv86, Rou84, Sei99, TM85, YZ08]. **Hamiltonians** [NP96]. **hans** [BR64]. **harmonics** [Yan78a]. **Hartree** [Dat95, DN96]. **harvest** [Bra09]. **határai** [Neu33]. **Hawking** [KN03, Pic08]. **HD** [IRV⁺08]. **Heating** [JRF06]. **Heisenberg** [Ano51, Ben34, Deh36, Haa34, LW34, Lak96, Wil36, Ano33, Ano34a, Ano75, Bok04, BR87, Dir28a, Dir64a, Dir76b, Haa34, HDW75, Nis32, Smo93, vW02]. **Held** [Meh73, CCJ⁺34, Hal78, Jef87, KPS⁺78, KP83, Ruf82, Sal69, Zic88]. **Helge** [Bro91, Dar92, Dre90, Sch91b, Goe16, Hen91]. **hemisphere** [DFPP43, PFD43]. **hemispheroid** [DFPP43, PFD43]. **heritage** [Esp08]. **Hermann** [PKKL09]. **Hermite** [Doa91]. **Hess** [Ano51]. **Hestenes** [Ham84]. **Hidden** [Cas10, Dys10, Far09b, RS10, Sti13, Far16, Lee95]. **hidrógeno** [Bun52]. **Hierarchy** [CV02, DW09, YZ08, YL09]. **Higgs** [AFG75, Tol98, YS03]. **High** [AME14, BtGW95, Fer86, IKRT89b, IPM73, Rij66, DPI71, Dir70a, Dir71d, KPW75, KPS⁺78, NP96, Per80, KMPD85]. **High-** [BtGW95]. **high-energy** [Dir70a, Dir71d, KPW75, KPS⁺78, NP96, Per80, KMPD85]. **High-fidelity** [AME14]. **High-precision** [Fer86]. **higher** [Kru94]. **higher-order** [Kru94]. **Hilbert** [Tol98, Dir70c, Dir74g, Dir91a, Pru73]. **Hintertreppe** [Fis10a, Fis12a]. **Hirshfeld** [Tiw12]. **Hirzel** [Ben34, Wil36]. **historical** [Deb13, Dir75c, HE82, Kra81a]. **Histories** [Pei97]. **History** [Dir87c, KN03, Kra82, UM86, Wei77, BN13, Fra04, Kra15a, KHFA67, Oak00, Pai72]. **Hold** [Ano18, Dir36a]. **hole** [FSY00, Pei35]. **Holes** [Mon95]. **holonomic** [PSA94]. **Homogeneous** [Dir33a, Inf53a]. **honor** [KMPD85, LW78, SH99]. **Honoring** [Dys74]. **Honour** [Ble86, Sch85, Tor87, BVV84, Sno73, dBDW⁺84]. **Hoof** [CK78]. **Hopes** [Dir69c]. **host** [Hal78]. **Hulthén** [IS10a]. **Human** [Bus10, II08, Lip87]. **hundred** [GMW80, Rob15]. **Hungarian** [Dir78a, Neu33]. **hybrid** [MZF⁺12]. **Hydrodynamics** [Tau63c]. **Hydrogen** [Dir26e, Dir67c, Lak96, Rig02, Bel91, Bun52, Dat04, DH32a, MR10]. **hydrogen-like** [DH32a]. **Hydrogenic** [Tiw12]. **hyperbolic** [CV90, Köp06]. **Hypergraphs** [RRS06]. **hypersurfaces** [Tra92]. **Hypothese** [Jor59]. **Hypothesis** [Bos24, Jor62a, Jor71, Tel73, Dir25a, Jor62b, Jor66, Dir74b, Dir75d, Dir78c, Dir79g, Jor59].

Ia [FA10]. **Idea** [Dir79b, Car01]. **ideal** [Fer26]. **idealen** [Fer26]. **Ideas** [Dir78g, Dir69a, Dir73e, MS87, dB52b]. **idées** [dB52b]. **identical** [Fer24, Mil07]. **identici** [Fer24]. **Identities** [Nas84, Kat00]. **idöbeni** [Dir78a]. **ignited** [Gre05]. **ihre** [Lan30, Som36]. **II** [Wig96d, Ant69b, Dir28c, Dir52d, Dir72c, Dir88a, Dir03b, Hos83, Kim80b, Kox97, Lam70, LRK80, MB90, Nis35b, PS32b, PFD43, PSA94, Tau61b]. **III** [BMP14, Din58, Dir54c, Dir88a, Dir04, MB91, Tau63a]. **illuminating** [Bat07, HW06]. **illus** [Dre90]. **im** [Jär64, Pau25, Pei35]. **imaginäre** [Sch38]. **imaginary** [Sch38]. **implementability** [FG87]. **implementation** [IKRT91]. **implications** [Mil97]. **Important** [Ano30]. **Improved** [SBK⁺08]. **impulses**

[Nil03b]. **IMT** [MKK05]. **inadequacies** [Dir87d]. **including** [Ano65, IS10a, Sno73]. **Inclusion** [RM96]. **inclusive** [Ano10]. **Incomplete** [Goa95, Pon05]. **increased** [Car01]. **Indefinite** [Hei72]. **independent** [Dic59]. **Infeld** [Dir52b, Dir60d]. **Infinite** [NdlC08, Dir34a]. **Infinite-dimensional** [NdlC08]. **Infinitesimal** [Ker83]. **Influence** [Dir76b, Dir80d, Kur87a]. **informal** [CH16]. **Information** [Plo15, DSK72, RS10]. **Inhomogeneous** [Wig39, Wig89]. **initial** [CG07]. **Innocence** [Stu18]. **Inquiry** [Gib19]. **institut** [CCJ⁺34]. **Institute** [Ano34b, CCJ⁺34, F⁺00]. **Instruments** [L.88]. **Insulator** [FK08]. **integrability** [SOS84]. **integrable** [PSA94, YZ08, YL09]. **Integral** [Goa95, JP73, MD88, Rho50, Fuk14, IT84, KY93, Lin10, MN97, MKK05, Moh07, NM01, OS81, Rum86, SS72]. **Integrals** [BBR85, BG91, CT67b, Din58, ROB64, BBR03, CT67a, Dir25b, Doa91, FH65, FHS10, FR86, GFG01, Gau93, NK93, Pic89, Sag91, SWO76, Tal04, WBD70]. **Integrator** [BOS96, Csa92, BO92, Sei99]. **Integrator** [BCJT16]. **Interacting** [Dir62d, Bel85, Rou84]. **Interaction** [KK10, BSW98, DEŠ89, DEŠ92]. **Interactions** [Kur73, BK76, BJ03, CV90, DPI71, Dir86, IPM73, LC98, Web87, Zic84]. **interdisciplinary** [F⁺00]. **Interest** [L.88, K.L88]. **interfaces** [dG97]. **internal** [MB90]. **International** [BCEP94, Meh73, Ruf82, Sal69, Wat91, Zic88, Ano10, Car01, CCJ⁺34, RCC⁺06]. **Interpretación** [Bun52]. **Interpretation** [Dir27b, Pei36, Dir30d, Dir42e, Dir68b, Lan30, Lan05a, Pol87c, Ran87, vEdG85, Bun52]. **intertwining** [Wil98]. **Interview** [Ano94, BP79a]. **intrinsèque** [Bou01]. **Intrinsic** [RL68, Bou01]. **intrinsic-particle** [Bou01]. **Introduction** [Csa81, Haa34, dB52b, vSJLEdJG86]. **Invariance** [BF12, DPP97, KM12, Rob85, WB78, ZDF⁺84, Cra93, Dir25b, DPP42, FA01, MSB92]. **Invariant** [Lég95, Dir55a, Hos82, Hos83]. **inventory** [KHFA67]. **Inverse** [Cor70, HJKS91, Jun97, Leo80]. **inversion** [Cra85]. **Investigation** [Dir26e, Dir67c]. **investigations** [CH16]. **Invited** [DPI71]. **involutional** [Kim80a, Kim80b]. **Ions** [VIK98]. **ISBN** [Ble86, Hen89, Hen91, Ryc17, Sch85, War96]. **isometry** [KM84]. **isotopes** [Dir41]. **Israel** [UM86]. **ISSAC** [Wat91]. **Italian** [Fer24, Maj37]. **Italy** [Dys74, Meh73, RCC⁺06, Zic88]. **iterative** [Ata89]. **IV** [Dir05b, Far01, Tau62]. **Ivancevic** [Bus10, Bus10].

J [Dar91, Fal97, L.88, Sch85, Szm99, Fal97]. **J.** [Dir71a]. **J.-P** [Sch85]. **Jacobi** [AW17, PP71]. **Jagdish** [Dys74]. **James** [Ryc17, Dir75e]. **Jan** [KPS⁺78, Per80]. **January** [DPI71, IPM73, Kur73, KP83]. **jauge** [Dir52c]. **Jean** [Ble86, Tor87]. **Jean-Pierre** [Ble86, Tor87]. **jepoche** [Dir90d]. **Jerusalem** [HE82]. **John** [Dir37c, F⁺00, Jef87, Stu88, Réd05, Tau61a, Tau61b, Tau63a, Tau62, Tau63b, Tau63c, vN96]. **Johnson** [DJ95]. **joint** [F⁺00]. **Jones** [L.88]. **Jordan** [Kra15b, Sch99]. **Journey** [FR13]. **journeys** [WD06]. **juin** [LT62]. **Jülich** [F⁺00]. **July** [Ruf82, Wat91]. **June**

[Pei92, Sal69].

Kähler [PT86, Reu99]. **Kahn** [Kos86]. **Kalinga** [Aur71]. **Kálnay** [Hin77]. **Kaluza** [GT85a, GT85b, GT86, Mar84]. **Kapitza** [Bat00, Bat07, DRFS80]. **Kargon** [L.88]. **kart** [Wil36]. **Kasner** [Sri89]. **Kelvin** [L.88]. **Kepler** [Cor86, DJ95, IU86, YI90]. **kernel** [MD88, Rod80]. **Kerr** [EF77, KM92]. **Ket** [Rob66, D'A02, Pru73]. **kets** [Jau72]. **Key** [Ano18]. **Killing** [BCK97]. **Kilmister** [Hen89]. **Kinetic** [Ano30, Csa92]. **Kinetic-Energy** [Csa92]. **Kinks** [Sky71, Leo80]. **Klein** [CV02, GS79, GT85a, GT85b, GT86, Mar84, SBZ90, Som36, VC02, de 89]. **Klein'schen** [Som36]. **kleinsten** [Fis10a, Fis12a]. **Knowledge** [Ano34a]. **Komplexstruktur** [Pau25]. **koordináta** [Neu33]. **koordináta-mérés** [Neu33]. **Koordinatenmessungen** [Neu33]. **Koordinatenmessungen-Genauigkeit** [Neu33]. **Kosmologie** [Jor52, Jor55]. **Kosmologiya** [Dir05b]. **Kostant** [Pen99]. **Kragh** [Dre90, Goe16, Hen91, Bro91, Dar92, Sch91b]. **kreds** [BR64, RRK⁺64]. **Kursunoglu** [Hen89, L.88, Ram89, Sch88, Stu88]. **Kvantovaya** [Dir02, Dir03b, Dir04]. **kvantovoi** [Dir60c, Dir90b]. **kvantovoj** [Dir68a, Dir99, Med89]. **Kvantovoï** [Dir32a]. **kwanty** [Inf33].

Laboratory [SBK⁺08, Dic59]. **Lagrangian** [Dir33b, Dir05a, OP95]. **Lagrangians** [RM95]. **Laguerre** [MR10]. **Lanczos** [BCEP94, GH94]. **Large** [Alp73, Ata89, Dir74b, Dir75d, Dir78c, Dir79g]. **Large-** [Ata89]. **last** [Alp73, Rec97]. **later** [Esp08]. **Lattice** [HJL00, MKS⁺13, F⁺00]. **laureate** [Ano65]. **Law** [Bor49, Bos24, Ano34a]. **Laws** [And88, Irv83, Bou85, D'A02, FW87, GS79, Pic08, Rob85]. **Lax** [PSA94]. **lead** [Rob85]. **Leap** [Bus10, Fis10a, Fis12a, II08]. **Leben** [Far16]. **lecture** [Dir60b, HSD34a, Pei92]. **Lectures** [Dir35b, Dir55b, Dir64d, Dir64f, Dir66b, Dir67f, Dir01, Dir02, Dir05b, IPM73, L.88, Nis32, Nis35a, Nis35b, Sch69, Suc67, Ano65, BDH70, DPI71, DHS78, FW87, Dir68a, Dir99, Ell91, SDEW90, dG97, And88]. **led** [Bel82]. **Lee** [WP96]. **Legacy** [Goe16, RCC⁺06, Kra16, McC04]. **Leipzig** [Ben34, Deh36, Wil36]. **Lekcii** [Dir68a, BDH70]. **Lektsii** [Dir99, Dir02, Dir05b]. **L'électron** [Som34, dB34]. **Lemaître** [Dir68e, Dir72e]. **lengths** [ES10]. **lensing** [LBNZ98]. **Leopold** [Dir52b]. **Let** [Kra17]. **Letter** [Aur71]. **letters** [Réd05]. **Level** [Bus10, Tiw12]. **Levinson** [Kla90]. **Library** [CMO00]. **Lichtgeschwindigkeit** [Pei35]. **Lichtquantenhypothese** [Bos24]. **Lie** [DW09, FZ91, ML93, Pen99, UB83]. **Life** [Cas10, Dys10, Far09b, RS10, Sti13, BDH⁺89, BR64, Dal87b, Dir83a, Far16, Gre05, Kem87, Pai98, RRK⁺64, Roz67, BDH70]. **lifts** [Oev88]. **Light** [Bos24, CR12, Fin00, Irv83, Ano18, Dav98, KD33, Lou83, Pei35]. **Light-cone** [Fin00]. **Light-Quantum** [Bos24]. **Like** [MRB75, DH32a, IS10a, IS10b, LC98, WP96]. **Limit** [BCJT16, CP68, MWF07, Sch06, SCPA04, All03]. **Limitations** [Ano34a].

Limits [FA10, MWF07, Neu33, SCPA04, WBR76, Rob85]. **line** [Gre77, HJKS91]. **linear** [GS84]. **Lines** [MWF07, SBK⁺08, SCPA04].
Lippmann [DJ95]. **List** [Meh87c]. **Literaturberichte** [Som34]. **Literature** [Som34]. **Little** [Dir80f]. **liv** [BR64, RRK⁺64]. **livre** [Ano05].
Lobachevskian [Ker90]. **Local** [BF12, Hes73, KM12, SV95, Cra93, FGM⁺96, IV85, IV87, IK91, Jin91, MB90, dG80]. **localizable** [Dir48c].
Localized [Rad96]. **Löchertheorie** [Pei35]. **Lodge** [Ano30]. **Logic** [Dir54b, Tau61a]. **logical** [Med89]. **logicheskie** [Med89]. **London** [Aur71].
Long [Dir73c, Dir73d]. **Lorentz** [sC78, Coh70, DPP42, Dir45a, Dir45c, Dir53b, DPP97, Eeg80, GLMR94, GPS86, Rob85, RL68, San79, Son99, Ten68, Wig39, Wig89].
Lorentz-transformations [Eeg80]. **Lorentzian** [IK91]. **loss** [SWO76]. **Lost** [Aug95]. **Lösung** [SM35]. **Louis** [Ble86, Bou01, Sch85, Tor87, BVV84, Dav98, dBDW⁺84]. **Low** [Ano08, MWF07, SCPA04, BtGW95]. **low-energy** [BtGW95]. **Lucasian** [KN03]. **lumière** [Dav98]. **luminaries** [Bri95a]. **Lyman** [SBK⁺08].

M [Ano85, Ano10, Anoxx, Ben34, Bro06, BP79a, Cha73, CH16, CMO00, Dal87b, Dal95, Dar96, Dav36, Deb13, Dir37c, Dir40, Dir80a, Dys87, Eli87, Eps35, Ett31, Fis10b, Fis12b, Got11, Hal78, Hei30a, Hei30b, HK93, Hov96, Jär64, Kil76, Kri87, KMPD85, LW78, Lan87a, LJ31, MS87, Med90, Meh72, Meh87b, Meh87c, Oak00, Pau30, Pol58, Sch69, Sch94b, Smo84, Suc67, Tem35, War96, Wil36, Wri16, Wil36]. **Mach** [BP95, BD61, Dic61, Dir61a, HND⁺62, PD62]. **Machian** [Son99].
MACSYMA [TM85]. **made** [Haw11, Sch94a]. **magic** [Wil03]. **Magnetic** [CT83, Dir48a, Dir77e, For63, God87, Hoy87, Inf53a, Kol67, MC70, MKS⁺13, Pic81, Sch06, Ama68, AC72, BK76, BB85, Beh85, BM70, BG90, CK78, CH02, Cor86, Dir25a, Dir48d, Dir76c, Dir84d, Gre77, Hau72, LMV91, Lub75, MG87, Ogu96, Ros83, Rou84, Som34, TCC97, Vil95, YI90, dB33, dB34, Dir74f].
magnétique [dB33, dB34, Som34]. **Magnitnii** [Dir74f]. **Main** [Ano34a].
Majorana [RCC⁺06, Ano08, ACM10, Esp08, ES10, Esp12, EAW15, Fio06, FK08, Gar84, GG11, MRB75, MZF⁺12, zXZ06]. **Majorana-neutrino-mass** [Gar84]. **make** [Dir81a]. **makers** [CM86]. **making** [Bel99]. **Man** [Cas10, Dys10, Far09b, Kib98, RS10, Sti13, Far09a, Far16, God98]. **manifold** [MB90, MB91, Mar88]. **manifolds** [GNH78]. **Mann** [MHN98]. **Many** [Bri18, Kat00, Dir29b, Dir30d, DFW99, RdO07, RdO16]. **many-electron** [Dir30d, DFW99]. **Many-particle** [Kat00]. **MAPLE** [Vul03]. **Marcel** [Ruf82]. **Mass** [HN71, IRV⁺08, SBK⁺08, Car94, CKYY07, Gar84, IS10b, KY01, KBN83].
masses [Mal75b, Mal75a]. **massive** [AW17, Dar90, KL92, PR86]. **massless** [Bor85, Nil82]. **matemática** [Bas08]. **materials** [WBSB14]. **Materiewellen** [Deh36, Haa34]. **materja** [Inf33]. **Math** [Szm99]. **Mathematical** [GG02, CH16, Dir78d, EAW15, Mur71, vEdG85, vSJLEdJG86, Mar65].
mathematically [Bel91]. **Mathematics**

[Dir82e, Bue05, Dir39c, Dir82a, Dir85, FF91, Pen97, KN03]. **Mathisson**
 [Dir40]. **Matrices** [Goo55, IKRT89a, Lee95, Mor85, Pod97]. **Matrix**
 [KMW86, MR82b, Dir30d, Hos87, IKRT91, NM84, Szm98, Szm99, Wig01,
 WY84, ZQ90]. **Matter**
 [Ano30, HND⁺62, Plo15, Ano18, Bat07, Dir77b, DRF17, Inf33, Inf34b, Haa34].
matters [Rei72a, Rei72b]. **Maurice** [Ano52, Ano83a, Ano83b, DP86, Hal85,
 Hen89, KW87, Pei85, Ram89, Sch88, Stu88, Wig88, Dir74d]. **Max**
 [Fis10a, Fis12a, Ano52, Fis10a, Fis12a, Gre05]. **Max-Planck-Medaille**
 [Ano52]. **maximum** [LR79, LRK80]. **Maxwell**
 [Bri18, BCK97, BR97, Can98, Cha72, DK89, Das93, Das96, GS79, HD77,
 KBN83, LU31, LCH10, PR86, Rad96, RA11, RdO07, RdO16, Sch41, SM03].
May [Ano18, Car01]. **Mayer** [PS32a, PS32b]. **McDougall** [Fuk14]. **Me**
 [Fis10a]. **Mean** [KK10, dB32a]. **Meaning** [Jor59, Smo93, Dir50c, Som36].
Means [LR59, Eeg80, Fer86, IKRT89b]. **meant** [Kem87]. **Measure**
 [LR59, Nak00, Zas89]. **Measurement** [Neu33, Hal78, Pet85, Pet88].
measurements [Rob85]. **measures** [Nak97]. **mecánica**
 [Dir54a, Dir67b, Dir68c, Dir69e]. **mécanique** [Dir30h, Dir31a]. **mechanical**
 [Lan30, Lan05a]. **Mechanics**
 [DL82, Dir25e, Dir26a, Dir26d, Dir26e, Dir30b, Dir30f, Dir32a, Dir35c, Dir47b,
 Dir54d, Dir55d, Dir58c, Dir59e, Dir67a, Dir67b, Dir67e, Dir67c, Dir68c, Dir69e,
 Dir81d, Dir03c, Dir05a, Dys07a, Fey48, GG02, G GK02, Har28, HSD34b, Mar65,
 MR82b, Nis32, Sei36, Tau61a, Wey31b, Wey50, vdW67, Ant69a, Ant69b,
 Bok04, CY91, Dir26f, Dir26c, Dir27a, Dir27e, Dir29a, Dir29b, Dir31a, Dir32b,
 Dir33b, Dir33c, Dir37a, Dir37d, Dir39b, Dir42e, Dir45b, Dir51d, Dir55b, Dir64b,
 Dir64c, Dir64f, Dir66a, Dir67f, Dir68a, Dir69a, Dir72d, Dir73f, Dir74c, Dir77d,
 Dir82b, Dir99, Dir01, Dir09, DR93, Fei02, FH65, FHS10, FK70, Got11, Haa34,
 Jär64, JT10, Mat87, MR82a, MR82c, Meh87a, MR87, MR00, MS68, Pol87c,
 Tjo75, vEdG85, vdW68, vdW07, Eps35, LJ31, Pol58, Tem35, Hei30a, Dav36].
Mechanics [Hei30b, Pau30, Bro06, Kra13]. **Mechanics**. [Ett31].
mechanique [Dir53c]. **mechnanics** [Dir54a]. **Medaille** [Ano52]. **Medal**
 [Ano85, Ano13]. **medarbejdere** [BR64, RRK⁺64]. **mécanique** [Dir90a].
Meeting [CCJ⁺34, Pei87a, Ruf82, Wig87a, Wig96a, Hal78]. **Mehra** [Dys74].
mekhanike [Dir68a, Dir99]. **Mekhaniki** [Dir32a, Dir60c]. **Mem** [Dir61b].
Memo [BBD⁺46]. **Memoirs** [Dir05b]. **Memorial**
 [And88, Ell91, Pei87a, SDEW90, dG97, Dir71a, FW87, Haw98, Pei92, Rei72a,
 Rei72b, Wig87a, Wig96a]. **Memories** [Dir88a, Dir88b, Dir90d, Kir97].
memory [Ano85]. **men** [Sch94a]. **Mensch** [Far16]. **mérés** [Neu33]. **Merwe**
 [Ble86, Sch85, Tor87]. **Mesotron** [Kap40]. **meteorites** [PD62].
Meteorology [Tau63c]. **Method** [BCJT16, Pau43, Tau49, BO92, Cra88,
 Fuk14, GL92, Inf53b, LCH10, NM01, RSK99, SM35]. **Méthodes** [Dir53c].
Methods
 [Dir69d, Dir82d, Dir89, Har28, Dir30a, Dir41, Dir64c, Dir70b, MKK05, RS87].
metric [Hei72, HM99b]. **metrics** [IK91, SC92b]. **Metrological** [IC04].
Miami [KPS⁺78, KP83, Sta87]. **microwave** [Han99, YS03]. **Mills**

[LH86, RTV99, Tol98, Lan01, MB90]. **mind** [II08, WD06, Sno73, Bus10]. **minds** [Pic08, Wal09]. **Minkowski** [GLMR94, KLMW88, Pod97, RK96]. **Miramare** [Meh73]. **mirror** [HW96]. **Mixed** [Lub75]. **Mode** [DJ95]. **Model** [GD10, Mon95, Das96, Dir62c, ERW75, Gab13, KM04, OS81, RM95, WP96, Wot91]. **Modeled** [Csa92]. **Modelers** [Lak96]. **Models** [Dir74b, Dir81c, Lak96, All03, Len14]. **moderation** [LT04]. **Modern** [BBBM90, Far03, Gib19, HSD34b, L.88, Bra09, Inf34b, ZdSS91, HSD34a]. **moderne** [Ben34, HSD34a, Wil36]. **modification** [IP57]. **Modifications** [MR82b]. **modified** [Bel85, IP56]. **Molecular** [DN96, McW73, QGW01]. **Molecules** [FK07, BBSF10, ERW75, EG84]. **Möller** [Ano67]. **moment** [BK76, BB85, Beh85, Ogu96, Rou84]. **momentum** [Dat04, DMH85, Nak00]. **monatomic** [Fer26]. **monobromide** [BBSF10]. **Monografii** [Dir02]. **monograph** [Bus10]. **Monographs** [Dir02, Sch85]. **monopol** [Dir74f].

Monopole
[Ble76, Che77, Fer49, HSZ76, Kol67, MC70, Pic81, RZ80, BB85, BG90, CK78, Coq85, Cor86, Dir77e, Dir78e, Fre95, Gre77, IU86, Kra81a, LMV91, Lub75, Lub82, MG87, NdlC08, Oli98, Pos84, TCC97, Vil95, Yan78b, Yan78a, YI90]. **Monopoles** [For63, Hen83, MKS⁺13, Sch06, CT83, Dir74f, Dir76c, Fre95, God87, Hoy87, LBNZ98, Ros83]. **Moon** [Dir80g]. **moons** [RA11]. **most** [EM33a, Haw11]. **motion** [Dir42c, Dir64e, Dir69b, Dir70a, Dir71d, Dir74a]. **motions** [AW95]. **moving** [Bet83]. **moyennes** [dB32a]. **multicomponent** [YZ08]. **Multiconfigurational** [VIK98]. **Multiplication** [Dir43a, Dir42d, PFD43]. **Multiscale** [BCJT16]. **multivectorial** [KRR90]. **Must** [Ano30, Far03]. **My** [Dir83a, Dir03a, HC87, Dir87a, Kem87]. **Mystery** [Ano30, FR13]. **Mystic** [Cas10, Dys10, Far09b, RS10]. **mystifying** [Lut07].

N [Hen89, L.88, Ram89, Sch88, Stu88]. **Nach** [Dir60b, Sei36]. **näherungsweise** [SM35]. **Named** [Ano33, BBC⁺94]. **nanowire** [MZF⁺12]. **Nation** [Ano33]. **Natural** [McW73, EM33a, LT04]. **Nature** [Dir63a, Dir87c, Gam68, HN71, Wil58, Alp73, Bar02, Dir71b, Dir73a, Dir74e, Meh73, Zic88, Dys74]. **natürlichsten** [EM33a]. **Naturwissenschaft** [Smo93]. **nauchnych** [Koz90]. **Nauchnye** [Dir03b, Dir04, Dir05b]. **Nauchnykh** [Dir02, Dir03b, Dir04, Dir05b]. **nauki** [Inf33]. **Near** [Dat95]. **Negative** [Ano30]. **neobychajnoj** [Dir90d]. **Neobychajnoï** [Dir90c]. **net** [Sel94]. **Neuberger** [HJL00]. **Neue** [Ben34]. **Neumann** [F⁺00, Mar65, Réd05, Tau61a, Tau61b, Tau63a, Tau62, Tau63b, Tau63c, Tjo75, vN96]. **Neurons** [Kir97]. **neutral** [BB85, Csa81, Ogu96, SV93]. **Neutrino** [GLR14, Gar84, KM84, PR86, Gar84]. **neutrino-electron** [Gar84]. **Neutrinos** [Fio06, zXZ06, Ano08, CGKS94, CT12, Fra04, HM99a, CT12]. **Neutron** [Dir42d, Dir43a, JRF06, LT04, PFD43]. **Newman** [EF77, KM92]. **Newton** [BP95, KN03, LBNZ98, WW86]. **Niels** [BR64, Dir64g, Dir67d, Kra17, RRK⁺64, Roz67]. **No** [EKI94]. **No-Pair** [EKI94]. **Nobel** [HSD34a, Ano33, Ano34b, Ano65, Bri95a, DS83, Gre05, HSD34b, LW34, Pau45]. **Nobelpreis** [Ano51]. **Nobelpreises**

[HSD34a, Wil36]. **Nodes** [Dir26a]. **Non** [Fey48, FSY00, Har28, Dir42a, Dir42d, Dir55c, FZ91, MB90, MB91, Mar88]. **Non-Coulomb** [Har28]. **Non-existence** [FSY00]. **non-Lie** [FZ91]. **non-orthogonal** [Dir55c]. **Non-Relativistic** [Fey48]. **non-Riemannian** [MB90, MB91, Mar88]. **non-scattering** [Dir42a]. **non-uniform** [Dir42d]. **noncompact** [BT90]. **noncovariant** [CY91]. **nondiagonal** [SC92b]. **Nondispersive** [Hil92, SBZ90]. **nonexistence** [Zas89]. **nonextensive** [JT10]. **nonextensive-statistical-mechanics** [JT10]. **nonfactorizable** [HM99b]. **Nonlinear** [Bou08, Ker83, KK10, AKV83, FZ91, PSA94, RU81, SES82, SOS84, Tak79]. **Nonrelativistic** [BCJT16]. **nonstandard** [LW75, Nak97]. **Nonunitary** [yRSBSV99]. **Nordström** [FSY00]. **norm** [Tam03]. **Normal** [DJ95, Tha88]. **Normal-Mode** [DJ95]. **North** [BCEP94]. **Notation** [Ano67, Dir39b]. **Note** [Dir24b, Dir24c, Dir30c, Dir30d, Dir55c, Wal76, Tjo75]. **Notes** [AG13, Pei42, RS10, Bel82]. **nothing** [Wea16, Ryc17]. **novel** [SBZ90]. **November** [Hal78, Lan87a]. **Nowe** [Inf33]. **noyaux** [CCJ⁺34, Sch72]. **Nuclear** [Irv83, Mau76, Mla98, Stu18, Wig96d, AG13, Kae48, RC13]. **Nuclei** [CR12, CCJ⁺34, Sch72]. **nucleosynthesis** [Kha86, KPW86, YS03]. **Nucleus** [FR13]. **null** [KM84]. **number** [DOV02]. **Numbers** [Alp73, Dir74b, Dir75d, Dir78c, Dir79g, Bar02, D'A02, Hes75, PP71]. **Numerical** [Csa92, HJL00, Pic89, Sei99, Tau63b, AME14, AKV83, LCH10, NK93, SM91, SFVW95, SG11, F⁺00]. **Numerology** [Gam68]. **NUT** [CV02, LBNZ98].

O [Ble86, Sch85, Tor87, Bel82, Dir90c, Dir90d]. **Obey** [Kap40]. **Obituary** [Bin00, DP86, Dir40, Dir61b, Dir75e, Pei85]. **Objects** [Gam67d]. **oblate** [DFPP43, PFD43]. **Observables** [Hes75, Cor07, Hes73]. **observational** [Uza03]. **observations** [FA10]. **observed** [Dic59]. **Obtain** [Ano34a]. **October** [CCJ⁺34, DP86, Far01, RCC⁺06]. **octobre** [CCJ⁺34]. **octonions** [Köp06, MB91]. **odd** [Pai90]. **odyssey** [SG11]. **off** [Wig01]. **off-diagonal** [Wig01]. **Oklo** [LT04]. **Old** [Dic59, PB68, Zic88, Zic88]. **Oliver** [Ano30]. **OM** [Dal87b]. **Omega** [Bar02]. **onde** [dB32b]. **One** [Gib19, Kir97, NP96, Wal09, AKV83, Dar90]. **One-dimensional** [NP96, AKV83]. **ongoing** [Das96]. **ontology** [Wri16]. **Open** [Bok04, KL92, VC02]. **Operator** [DJ95, HJL00, Hin77, Neu00, Szm98, Szm99, Ara93, BT90, Cla94, Dir37d, FG87, FSS98, Fei02, HW90, KMW86, KLMW88, Lan01, Mil98, Pen99, Pod97, Tam03, Tha88, Tol98, Tra92, de 89]. **Operators** [GZM05, Tau63a, All03, BILP03, CV02, DEŠ89, FGM⁺96, Hes75, KY01, KM84, KLMW88, Kla90, LR79, LRK80, Olv86, Wil98, WY84, Zor80, de 91, Tau61b]. **Oppenheimer** [Ano34a, Dir71a]. **Optical** [CR12]. **optics** [Bat07]. **Orbis** [Per80, KPS⁺78, KP83]. **Orbit** [Löw64]. **orbitals** [Tal04]. **Orbiting** [RA11]. **orbits** [Hal87]. **Order** [Mac98, Rho50, VIK98, Hos87, Hos89, Kru94]. **Orders** [CT67b, CT67a]. **organized** [Ruf82, Sal69]. **Origin** [Dir83b, Cor70]. **Original** [Ano34a]. **Origins** [Moy81b]. **orthogonal** [Dir55c, Vil90b].

orthogonally [KM84]. **oscillator** [Cra93, DST92, LMV91, MSB92, de 91].
Osnovy [Dir32a, Med89]. **Other**
 [L.88, K.L88, Tau62, Bri95a, Rei72a, Rei72b, Sha87]. **Our** [Bek86, Dir71b].
Overlap [Neu00, Tal04]. **Owen** [Ryc17]. **Own** [Bek86]. **Oxford** [RS10].

P [And88, Bel73, Ben34, Dal87b, Dar96, Dav36, Dir37c, Eps35, Ett31, Hal78, Hei30a, Hen89, Hov96, Jär64, Kil76, KMPD85, L.88, LW78, LJ31, Pol58, Ram89, Sch69, Sch85, Sch88, Stu88, Suc67, Tem35, War96, Wil36, Ryc17]. **P**. [Ano85, BP79a, Cha73, Dal95, Dar96, Dir80a, Eli87, Got11, Hei30b, HK93, Jär64, Kri87, MS87, Med90, Meh72, Meh87b, Meh87c, Pau30, Sch94b, Smo84, Wri16]. **P/b** [Sch85]. **packet** [SBZ90]. **Padé** [Rod80]. **pages** [RS10]. **Pair** [EKI94, KM84, EKI94]. **Palais** [Dir48e]. **paper** [Dit15, Pei42]. **Papers** [Ano75, Anoxx, Dir03b, Dir04, Dir05b, HDW75, Sch58, Sch03, vN96, CH16, DPI71, DP97, Dor82, GG76, Haw11, Oak00, Wig96d]. **para** [JM99]. **para-supersymmetry** [JM99]. **Parameter** [Som36, KM84]. **parameters** [DW09, Som36]. **Part** [MR87, Dir43a, Har28, PFD43, Wig96d]. **Particle** [BH83a, BH83b, Dir24c, Dir73h, Ser12, AW17, BB85, Bou01, BG90, Bro77, BH82, CY91, Dir64e, DP03, FA01, IT84, IT88, Kat00, LCH10, Nil82, OS81, Ogu96, Rou84, SMI83, SS98, Son99, dB51]. **Particles** [And88, Ano18, Dir62e, Cor70, Dar90, Dir74a, Dir86, FW87, Fis10a, Fis12a, Kos86, KP83, Mil07, PB68, RS84, Riv94, SV93, Sri83, dB52a]. **particular** [CGKS94, MN97]. **particule** [Bou01]. **particules** [dB51, dB52a]. **partir** [BI34]. **partnership** [BR87]. **Pascual** [Kra15b]. **Passion** [Jon08]. **past** [Pet11]. **Path** [Nak97, Nak00, OS81, PS79, Bel82, FH65, FHS10, IT84, KY93, Len14, Rum86, SS72, SH99, Zas89]. **path-integral** [SS72]. **path-space** [Zas89]. **pathways** [Inf33]. **Paul** [Ble86, Cas10, Dar91, Dir74d, Dys10, Far16, Hen89, L.88, Ram89, RS10, Sch85, Sch88, Sti13, Stu88, Tor87, Wig88, Wig96a, Ano52, Ano83a, Ano83b, Ano10, Anoxx, BvdM83, BVV84, Bok08, Bri95b, BR87, Bro06, Cas85, CH16, CMO00, Cri18, DP86, Dal87a, Deb13, Dir87a, Dys87, Far09a, Far09b, Far16, Fis10b, Fis12b, God98, Hal85, Kem87, Koz90, Kra13, KW87, K.L88, Lan87a, Lan87b, McC04, MB11a, Mot87, Oak00, Pai98, Pai00b, Pei85, Sno73, Tay87b, Wal09, Wig87b, Wig96c, dBDW⁺84, Kib98]. **Pauli** [CV02, Dit15, GH75, Hor11, JW28, Sch99]. **Paulische** [JW28]. **PC** [IKRT91]. **peace** [Kra17]. **pedagogy** [BN13]. **Peierls** [DP97]. **perfect** [IV85]. **perfection** [Dir79m]. **Periodic** [Tau61b, FSY00, NP96]. **Perlman** [Dir64a]. **permeate** [BMP14]. **personal** [Oak00]. **perspective** [Dir75c]. **perspectives** [HE82]. **Perturbation** [Kis98, Löw64, Zor80, Dir55c]. **Peter** [L.88]. **Phase** [Lin10, Nil82]. **Phase-integral** [Lin10]. **phenomena** [Dir30c]. **phenomenological** [EAW15]. **Philosophy** [UM86, Dir37c]. **Photo** [Ano83a, Ano83b, DH32a]. **Photo-electric** [DH32a]. **Photon** [MRB75]. **Phys** [Szm99]. **Physical** [Dir27b, Dir37c, Dir87c, Dor82, Tel48, D'A02, Dic59, Dir42e, Dir68b, Dir84c, Dir84e, ES10, Pet85, Pet88, DSK72]. **physiciens** [CT12]. **Physicist** [Dir63a, Dys74, Hen89, Ram89, Sch88, Stu88, Dir73a, Dir83a, Gre05, KW87, Meh73, L.88]. **Physicists**

[Ano33, Ser12, vW02, CT12, Fre87]. **Physics**
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 [Ano51, Dir53a, Dir77a]. **Physiker** [vW02]. **physique** [CCJ⁺34]. **Picture**
 [Dir63a]. **Pictures** [Dir64a]. **piece** [Wil03]. **Pierre** [Ble86, Tor87]. **pilot**
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 [Dir71f, Dir72c, Dir73h, Dir71e]. **Positron**
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 [Sch94c, Mit10]. **potential** [Ara93, BC78, DEŠ92, DSP03, GS84, Hyl84, IS10a, IS10b, IU86, KY93, yRSBSV99, RU81, SMI83, Vil95, YI90, de 89].
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pozitrona [Dir34b]. **Pp** [Hen89, War96, Dre90, Dys10, Suc67]. **Precisely**
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Presymplectic [GNH78]. **Pretty** [Dir82a, Dir82e, Dir85]. **previous** [Dat04].

Primordial [Noe73, Kha86, KPW86]. **principe** [Bor49]. **principes** [Dir31a, Dir90a]. **Principios** [Dir67b, Dir68c, Dir69e]. **Principle** [BD61, Dic61, HND⁺62, Plo15, BP95, CGK72, Dir24b, Dir74a, LR79, LRK80, PD62, Dir61a]. **Principles** [Bro06, Dav36, Dir30b, Dir30f, Dir35c, Dir47b, Dir58c, Dir59e, Dir67b, Dir67e, Dir68c, Dir69e, Dir81d, Dir03c, Eps35, Ett31, Hei30b, LJ31, Plo15, Pol58, Tem35, Dir31a, Dir09, Hei30a, Jär64, Jor52, Jor55, Kra13, Pau30]. **Printsipy** [Dir60c]. **Prinzipien** [Dir30b]. **Priscilla** [BBC⁺94]. **Prism** [UM86]. **privedshem** [Bel82]. **Prize** [HSD34a, Pau45, Dir71a, Ano33, Ano34b, Aur71, DS83]. **Prizes** [LW34]. **probabilistic** [Leh91]. **Probability** [Kos86]. **Probe** [IRV⁺08]. **Problem** [DJ95, Cha72, Cor70, Cor86, Dir30d, Dir33c, Dir80g, IU86, NdlC08, YI90, ZdSS91, Sta12]. **problèmes** [Dir30h]. **Problems** [DH32b, JP73, Nis32, All04, Ant69a, Ant69b, ABR06, BM98, Dir71c, PB68, Str71]. **procedure** [PSA94]. **Proceedings** [Dys74, KP83, Zic88, Hal78, Kur73, KPS⁺78, Per80, Sal69, Wat91, BB03, BCEP94, Ruf82]. **processes** [Car94, Dir36a]. **product** [Mor85]. **Production** [Sch06]. **Prof.** [Ano34b, Dir37c, Dir61b]. **professional** [Bus10]. **Professor** [Dal87b, Fre87, HC87]. **Professors** [KN03, Nis35a, Nis35b, LW34]. **Profs** [Ano33]. **program** [BDM81b, BDM84]. **prohibition** [JW28]. **Projections** [RK96]. **Projective** [Sch91a, TVvN34]. **Proof** [Bar81]. **propagating** [CGKS94]. **Propagation** [IT84]. **propagator** [AW95, IJ02, Rum86]. **propagators** [RR93]. **Properties** [Ara93, Goo55, Beh85, CCJ⁺34, GZDA01]. **property** [Mur71]. **propriétés** [CCJ⁺34]. **Proton** [Dys67, Mon95, SBK⁺08, CKYY07, Dir30g]. **proton-electron** [CKYY07]. **Proton-to-Electron** [SBK⁺08]. **Protons** [Dir30i, Dir30e, Dir30j]. **Proximity** [FK08]. **Pseudospectral** [BCJT16]. **pseudospheres** [Cla94]. **pseudospin** [IS10b]. **Psi** [Din58]. **pure** [Ric03]. **Puti** [Dir83d, Bel82]. **Putting** [Wil93b].

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R [Dar96, L.88]. **R.** [Dir61a, War96]. **R.S.** [Dir61b]. **Radial** [BBR85, ROB64, SWO76, IJ02, IM95, Lin10, SFVW95, SG11]. **radiating** [Dir38a]. **Radiation** [Dir27d, Noe73, Dir25c, Web87]. **Radium** [Kae48]. **Raleigh** [BCEP94]. **random** [RR93]. **range** [BC78, Dir73c, Dir73d]. **Rank** [Kir97]. **Rank-One** [Kir97]. **Rapports** [CCJ⁺34]. **Rate** [Dir43a, PFD43]. **Ratio** [SBK⁺08, CKYY07]. **Rational** [CT67a, CT67b, SS11, D'A02]. **Ray** [Sei36]. **Rayleigh** [WY85]. **Razmyshleniya** [Dir05b]. **reactor** [LT04]. **Reactors** [Irv83, Mau76]. **Realism** [Pas12]. **realities** [WD06]. **Reality** [RS10]. **really** [Fra04, Nor86]. **realm** [Kae48]. **recalls** [DRFS80]. **reception** [Lub75, MR82c]. **Recollections** [Dir77f, Dir87e, Dir90c, Lan87b]. **red** [Inf63]. **REDUCE** [Vul03]. **reduced** [Hyl84, Lég95, MHN98, OP95]. **reduces** [IU86]. **reducible** [Vil90a]. **reducing** [GL92]. **Reduction** [Nil82, FZ91, Hos89, LH86, PSA94]. **réécriture** [Dav98]. **reexamined** [GT86]. **reference** [UK82]. **reflection** [KD33]. **Reflections** [RK96]. **reformulation** [Dir60d]. **Regime** [BCJT16]. **Reissner** [FSY00]. **relation** [Bok04, Dir39c, Dir51d, Pau25, Wig72b]. **Relations** [UL31, Bel85]. **relationships** [Lan05b]. **relativiste** [Dir53c]. **relativistes** [LT62]. **Relativistic** [BD61, Dir32b, Dir36b, Dir55d, Dir71f, Dir72c, Dir77h, Dir79h, Dir79i, Dir79j, Dir79k, EKI94, Fey48, Hos87, Sei36, AW17, Das96, Dir49b, Dir55b, Dir59f, Dir62a, Dir71e, Dir77g, Dir77i, DFW99, Gol05, Lip87, PP71, WY85, Kra81b]. **relativistischen** [Sei36]. **Relativity** [Ano62, Dic64, Dir24c, Hov96, Inf34a, Ruf82, Hor11, Rob15, TVvN34, DN96, Dir26f, Dir72d, Dir73f, Dir75g, Dir82c, Dir96, Kil76, Wil93b, Wil05]. **Relaxation** [Col12]. **release** [Dir42a]. **relics** [Lee95]. **relyativistskoi**

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Sallhofer [Lak96]. **satisfied** [Nas84]. **Savant** [Ano30]. **Says** [Ano30]. **Sb** [Dir90d]. **sbornik** [Koz90]. **scalability** [RSK99]. **Scalar** [Cri76, DST92, DSP03, Fin00, KBN83, Vil95]. **Scale** [IRV⁺08, DNRV03].

Scales [WBR76]. **scattering** [BC78, BG90, Car94, Cor70, Dir25d, Dir26f, Dir42a, Gar84, HJKS91, Jun97, Tha88, WY85]. **scholarly** [Ano10]. **Scholars** [Ano34a]. **Schönen** [Smo93]. **School** [Bou01, Suc67, Zic88]. **schoolroom** [Hor11]. **Schrödinger** [Ano51, Ben34, Deh36, Dir61b, Haa34, Hen89, LW34, Lak96, SM35, Szm99, Wil36, BC78, DL82, Dir64a, DS83, GH75, Haa34, Lam87, LC98, MR10, MR87, Nak97, RA11, SM91, SFVW95, SM35, Szm98, de 89]. **Schrödinger-SM35**. **Schrödinger-like** [LC98]. **Schroedinger** [Ano33]. **Schucking** [SH99]. **Schwerkraft** [Jor52, Jor55]. **Schwinger**

[AW95, FG87, Sch94a, Wot91]. **Sciama** [Bin00]. **Science** [Dir79c, Dir79b, Far03, F⁺00, GGK02, Gib19, Jon08, Pai00a, Smo93, Suc67, UM86, BR87, Dir37c, Gre05, GM80, Inf33, Inf34b, Pic08]. **Scientiae** [KPS⁺78, KP83, Per80]. **scientiarum** [Buc80]. **Scientific** [Bro91, Dir02, Dir03b, Dir04, Dir05b, Dre90, Har01, Hen91, Sch91b, Sch94c, Alp73, BBC⁺94, DP97, Dar92, Dir68e, Dir72e, Haw11, Kra90, Meh72, Meh87b, Wig96d]. **Scientists** [Ano30, Bri95a, Str11]. **scoops** [Ano13]. **Scope** [Bus10, Tiw12]. **Sea** [Kol67, BSW98, Fin00, Wri16]. **Search** [Kol67, Sch06, WFC⁺99, CH16]. **Searching** [Esp12]. **secolo** [Wei77]. **Second** [Ruf82, VIK98, Bor49, CM86, Hos87, Hos89, Bor49, Dir49c, Stu18]. **Second-Order** [VIK98, Hos87, Hos89]. **seconde** [Dir49c]. **secrets** [Bar02, HW06]. **Secular** [Noe73]. **Sediment** [Kol67]. **Seems** [GLR14]. **seen** [Roz67]. **Seiberg** [Fre95]. **Selected** [DP97, Sch58, Sch03, R ed05]. **selection** [Rec97]. **Self** [BSW88, EG84, Ish90, MHN98, Roh60, Dir42c, KY01, LR79, YL09, Zor80]. **self-adjoint** [Zor80]. **self-adjointness** [KY01, LR79]. **Self-Consistent** [Ish90, EG84, MHN98, YL09]. **Self-Consistently** [BSW88]. **Self-Energy** [Roh60]. **self-fractionating** [Dir42c]. **selfadjointness** [LRK80]. **seltsamste** [Far16]. **Semi** [EM33a, EM33b]. **Semi-Vektoren** [EM33a, EM33b]. **Semiclassical** [SM03, NP96]. **semiconductor** [MZF⁺12]. **semilinear** [EV97]. **Semivectors** [EM33b, EM33a]. **sense** [Dir81a]. **Sensitivity** [FK07, BBSF10]. **Separability** [IV85]. **Separable** [R ud84]. **separates** [IV87, Jin91]. **Separation** [IK91, KM84, PT86, VP90, Vil90b, VC02, Dir41, KMW86, SV89b, SC91, SC92b, SC92a, L ow64]. **Sept** [Dys74, Ano05, Kle05]. **September** [DHS78, Meh73, Pet11]. **septi eme** [CCJ⁺34]. **Series** [KM92, Bel91, Moh07]. **Session** [Dir80c, ZDF⁺84]. **Set** [Ano34a, QGW01, KL92]. **Sets** [Dat95, QGW01, Sch06, Tau61a, KLMW88]. **setting** [Kru94]. **seven** [Kle05]. **seven-times** [Kle05]. **Seventh** [CCJ⁺34, Far01]. **seventieth** [Cha73]. **seventy** [Esp08]. **Several** [Smo87]. **Shankland** [Pei36]. **Shape** [Dir43a, GPS86, FA01, PFD43]. **Shaped** [Gib19]. **Share** [Ano33]. **Sharp** [CG07]. **shearfree** [KM84]. **shell** [Csa81, Dir42d, DEŠ89, DEŠ92]. **Shift** [de 91, Inf63]. **shine** [Kra17]. **Shook** [Gam85, Gam66a, Gam66b, Gam72, Haw11]. **Short** [Ano33, BC78, Deb13]. **Short-Story** [Ano33]. **Sicily** [Zic88]. **side** [Dal87a]. **Signatures** [MZF⁺12]. **Significance** [Dic64]. **Silent** [Dys10]. **silicon** [BBSF10]. **Similarity** [SES82, Wil98]. **simmetrica** [Maj37]. **simple** [Rum86]. **Sinc** [AT07]. **Sinc-based** [AT07]. **since** [CT83, Meh75]. **singular** [All04, Ara93]. **singularities** [BK10, Dir31b]. **Sir** [Ano30]. **sistemi** [Fer24]. **Sitter** [Dir35a, Dir63b, vN40]. **situation** [Dir59f]. **six** [Ten68]. **six-dimensional** [Ten68]. **Sixty** [FR13]. **size** [Dir62e, Kha86, KPW86]. **sketch** [Dal87b]. **Skew** [GZM05]. **Skew-Symmetric** [GZM05]. **Skyrmion** [MKS⁺13]. **Slater** [ERW75, EG84, Kos86, Tal04]. **Small** [Bou08]. **smallest** [Fis10a, Fis12a]. **so-called** [Gol05]. **Sobranie** [Dir02, Dir03b, Dir04, Dir05b]. **Society** [GGK02, Gib19, Dor82]. **Sociology** [UM86]. **Soft** [dG97]. **Solid**

[Dir43a, PFD43]. **Solitary** [KK10]. **Soliton** [Tak79, YL09]. **Solitons** [GPS86, RS84]. **Solution** [BK76, GG51, LR59, SMI83, Sri89, TCC97, AME14, Ata89, BC78, BN72, Das93, FA01, Lin10, SM91, SFVW95, SM35, Tu91, Vil90a, VP90, Vil90b, Vil95, VC02, Won90, dB52b]. **Solutions** [BSW88, DMH85, GB13, IS10b, MR51, Sta67, BM98, CGKS94, DK89, Das93, EF77, FM75, FSY00, Hau72, Hil92, HM99b, HM99a, IS10a, IV87, Jin91, KM92, KL90, KL92, KBN83, PR86, Por95, Rad96, RA11, RTV99, SBZ90, SV89a, SV93, SES82, Tak79, Wil91]. **Solvay** [CCJ⁺34, Far01, Meh75, CCJ⁺34]. **Solving** [Ano30, SG11, Tau49, TKS19]. **Some** [Ano55, Dir73g, Eli87, ES10, Jor71, KBN83, L.88, K.L88, Pai90, PR86, Phi87, ROB64, RS87, WBD70, Jär64, dB33, vN28]. **Sommerfeld** [Lak96, DuM28, MR82d, MR82e]. **Sort** [Ser12]. **sostoyanie** [Dir59f]. **source** [ABR06]. **Sources** [KHFA67, vdW67, vdW07, YL09]. **sous** [CCJ⁺34]. **Soviet** [Fre87]. **Sovremennoe** [Dir59f]. **sozdaniyu** [Dir90b]. **Space** [Ble86, Fey48, RK96, Sch85, Tor87, vN40, BO92, BMS02b, BVV84, Das93, Dat04, Dir35a, Dir36c, Dir59a, Dir70c, Dir73e, Dir74e, Dir74g, DFW99, EF77, GLMR94, Hei72, IT88, IKRT89b, IV85, IV87, JM99, Jin91, Jor52, Jor55, KM92, KM84, KLMW88, Kis98, KL92, Lég95, LBNZ98, MB90, Nak97, Nak00, Nas86, Nil82, PT86, Pru73, Ran87, Ric03, Rüd84, Sri89, Vil90a, VP90, Zas89, Zec96, dBDW⁺84]. **spaces** [BILP03, FA01, KL90, OP95, Pod97]. **spacetimes** [Vul03]. **Spaltung** [EM33a]. **Spanish** [Bun52, Dir54a, Dir67b, Dir68c, Dir69e, SHD91]. **spatially** [Das93, IS10b]. **spatially-dependent** [IS10b]. **Special** [Tau49, ZDF⁺84, Das96, Hor11]. **specified** [Nas97]. **Spectra** [MWF07, Sla29, SCPA04, LBNZ98, Pau25]. **Spectral** [Beh85, BK10, Leo80]. **Spectroscopic** [Ano67]. **spectroscopy** [SMI83]. **Spectrum** [Mil98, Gin09, MD88, Ogu96]. **speech** [Dir71a]. **speeches** [Ano65]. **speed** [IKRT89b, Pei35]. **Spektren** [Pau25]. **sphere** [Dir42b, Dir42d]. **spheres** [Cla94]. **spherically** [DEŠ89, DEŠ92, PT86]. **spheroid** [DFPP43, PFD43]. **Spin** [Löw64, vN28, Dar90, Dir75c, FA01, IS10b, Ogu96, Pen97, dB51, dB52a]. **spin-** [FA01, dB51, dB52a]. **spin-one** [Dar90]. **Spin-Orbit** [Löw64]. **spinning** [AW17, Riv94]. **Spinor** [EM33a, LU31, Dir62d, Eeg80, Hal87, Nas97, RL68, Wig01]. **Spinor-Gleichungen** [EM33a]. **spinorial** [NM84]. **Spinors** [Dir70c, Dir74g, RK96, Tra92, Lég95, NM84, Nas86, RR93]. **spins** [Kat00]. **Spirit** [Gib19]. **Splitting** [EM33a]. **St** [Dir37c, Dir90d, Jef87]. **Stability** [Bou08, Roh60]. **staircase** [Fis10a, Fis12a]. **standard** [Gab13]. **Standing** [Bou08, KD33]. **Stars** [JRF06, Kra17]. **State** [BB03, CH16, CMO00, Dir83c, Hal78, Lan87b, Oak00, Cor70, Hei72, IS10a]. **Statement** [Dir33c]. **States** [GPS86, BB85, RU81, ZQ90]. **Stat'i** [Dir03b, Dir04, Dir05b]. **static** [KL92]. **statistical** [Dir25c, Dir29a, Dir41, JT10]. **Statistics** [Kap40, Bel82, Bel94, Pei72]. **statistike** [Bel82]. **status** [Uza03]. **stellar** [Dir25d, Kra17]. **Stellung** [Dir53a]. **Step** [Nov74, Wal76]. **Steven** [And88]. **still** [Kae48]. **Stockholm**

[HSD34a, Wil36, WD06]. **Stoner** [Fuk14]. **Storia** [Wei77]. **Story** [Ano33, Bel73, Gam85, Jon08, Gam66a, Gam66b, Gam72]. **Stoßvorgänge** [Dir27e]. **Strange** [Ryc17, Wea16]. **Strangest** [Cas10, Dys10, Far09b, RS10, Sti13, Far16]. **streams** [Dir77b]. **stress** [Dir55e]. **string** [Che77]. **strongly** [Ara93]. **Structure** [BS67, Bek86, CCJ⁺34, FK07, MS68, MWF07, SCPA04, WFC⁺99, AG03, BBSF10, Car01, CKYY07, Csa81, Han99, Jär64, MG87, Pau25, PSA94, YZ08, dG80, CCJ⁺34]. **Structures** [GZM05]. **Struggle** [Wüt11a]. **Struktur** [Jär64]. **student** [Bus10, Phi87]. **Studies** [Ble86, KPS⁺78, KP83, Löw64, Sch85, Tor87, UM86, BVV84, dBDW⁺84]. **Study** [Ano34b, DN96, Löw64, Pas12, AKV83, Fis10a, Fis12a, Kra81a, LR79, LRK80, RSK99]. **stuff** [Haw11]. **Sturmian** [Hos87]. **subelectron** [Dir77c]. **subgroups** [Dir72a, Lég95]. **submanifolds** [Bet83]. **Subnuclear** [Zic88]. **sulla** [Fer24]. **Summary** [Str71, Ano30]. **summation** [Bel91]. **super** [Nil82]. **superalgebra** [KR92]. **superalgebras** [HW90, Pen99]. **Superconducting** [FK08]. **superconductor** [MZF⁺12]. **superluminal** [Sri83]. **supernova** [FA10]. **Superstring** [WW86]. **Supersymmetric** [Tiw12, DST92, Fei02, OS81]. **Supersymmetry** [DJ95, JM99]. **supervisor** [Sha87]. **support** [Car01]. **Surface** [FK08]. **surfaces** [DP03]. **surrounded** [Dir42d]. **SWU** [Ber09]. **Symbolic** [D'A02, Wat91]. **Symmetric** [BSW88, FK70, GZM05, DEŠ89, DEŠ92, PT86]. **symmetrical** [Dar90, MD88, Maj37]. **Symmetries** [GM80, Ker83, LMV91, SES81, ZDF⁺84, BB85, Dir73c, Dir73d, KMW86, Pei92]. **Symmetry** [Dir55f, Ant69a, Ant69b, BR97, FA01, IS10b, IV85, IV87, IK91, Jin91, KM84, Lee95, Vil90b, Ant69b]. **Symplectic** [BNB94, Reu99]. **Symposium** [Meh73, Sal69, Wat91, BB03, Dys74, HE82, LW78, Sno73, Wig96b]. **synthesis** [SBZ90]. **System** [BF12, KM12, All04, HJKS91, IKRT89b, KY93, LCH10, MD88, SM03]. **Systematic** [SBB⁺62]. **Systems** [GZM05, AT07, Dir29b, Dir48c, Fer24, GB90, Oev88, PSA94, Rüd84, RTV99, Sei99, TM85, YG77].

T [Bus10, CK78, Dir02, Dir03b, Dir04, Dir05b]. **T.** [Dir52a]. **tale** [BMS02a]. **talk** [Bri95a]. **Tallahassee** [BB03, Hal78, LW78, Wig87a]. **Taub** [CV02]. **Taylor** [L.88, Stu88, Dar91]. **team** [Car01]. **techniques** [RL68]. **Teilchen** [Fis10a, Fis12a]. **temperature** [Dir24a, PD62]. **Ten** [Jon08]. **tensor** [Bet83, Dar90, DMH85, Dir55e, IS10a, Lan05b, RM96, SS98, WY84]. **tenu** [CCJ⁺34]. **Teoria** [Maj37, Bun52]. **teorii** [Dir59f, Dir90b, Med89]. **Teoriya** [Dir34b, Dir02, Dir03b, Dir04]. **Term** [Sch91a, FG87, KY01, Wot91]. **Terms** [Löw64, AW95, ABR06, Cor70, Mal75c, MHN98]. **Test** [BF12, Dir791, KM12, Rob83, Wil93b, Dir80b]. **Tests** [Rob85, Ano08, MBS02]. **tetrad** [Can98, Nas97, RM95]. **tetrads** [UB83]. **Tevatron** [Sch06]. **textbook** [Tiw12]. **textbooks** [BN13]. **Thales** [Lak96]. **théorie** [Dir48e]. **Their** [Sch06, Cor70, Dir73b, Dir78a, Dir86, Dys72, LC98, Oak00, Som36, Uza03].

them [Pic08]. **Theorem** [RRS06, DP03, Kla90, Sem93, Bar81]. **theorems** [Cra85]. **theoretic** [WY84]. **Theoretical** [Dic64, KPS⁺78, KP83, L.88, Meh73, Ruf82, Sal69, Dir69d, Dir70b, Dir82d, Dir89, EAW15, Jor52, Jor55, Lan30, Lan05a, Meh72, Meh87b, Uza03]. **theoretischen** [Jor52, Jor55]. **Theorie** [Hei34b, Hei34a, HE35, Lan30, Neu33, vN28, Dir34c, Bor49, Bou01, Dav98, Dir39a, PS32a, PS32b, dB32a, dB33, dB34, dB51, dB52b, dB52a, Som36]. **Theorien** [Deh36, Haa34]. **Theories** [BSW88, KPW75, Mar84, McA90, WW86, BM98, GH75, Haa34, Sal87a, Sal87b, Szm98, Szm99, LT62]. **Theory** [Ano30, Ano34a, BD61, Bro05, Dir27d, Dir30i, Dir30j, DH32b, Dir34d, Dir43a, Dir55d, Dir65b, Dir75g, Dir75a, Dir76c, Dir79d, Dir82f, Dir83b, Dir83c, Dir91b, Dir96, DPP97, Dir02, Dir03b, Dir04, DuM28, Dun12, Dys07b, EKI94, FBD05, Gam85, HSD34a, HE06, HL38, Hov96, Inf34a, Inf53a, Kil76, Kim80a, Kim80b, Kra81b, Löw64, Mar65, Neu33, Plo15, Sch91a, Sla29, Tau61a, Tau61b, Tau63b, Wey31b, Wey50, Wie29, vN28, AW17, BNB94, Bor49, Bor52, Bou85, Bou01, Bun52, BV85, Caw69, Che77, Col12, Dav98, Dir26c, Dir27c, Dir28f, Dir28d, Dir28e, Dir28b, Dir28c, Dir34a, Dir38a, Dir41, DPP42, Dir48c, Dir48d, Dir48b, Dir49a, Dir50a, Dir51c, Dir52d, Dir54c, Dir55b, Dir58d, Dir59d, Dir59f, Dir62a, Dir64d, Dir66b, Dir71a, Dir73g, Dir78d, Dir78f, Dir79f, Dir80h, Dir84c, Dir84d, Dir84e, Dir87d, Dir79m]. **theory** [DSP03, Edd46, GB90, Gam33, Gam66a, Gam66b, Gam72, Gol05, GNH78, Hei34b, Hei34a, HE35, Hes73, Hes75, Inf63, IU86, Jos72, Kam86, Kis98, Kru94, KP83, Kur87a, Lan30, Lan05a, LW78, Lip87, Lou83, Maj37, MHN98, MS87, MD89, MR82d, MR82e, Oev88, Olv86, Pai72, PS32a, PS32b, Pei34, Pei35, RM96, SW72, SS11, Som36, Tha88, Tra92, Zic84, dB32a, dB33, dB34, dB52b, dB52a, Dir34c, Dir34b, Dir39a, Dir79g, Dir80e, Har28, Sch69, Suc67, Tau63c, dB51, Bel73]. **There** [Ano30, Dir51b, Dir52a, Dir52b, Fra04]. **thermodynamic** [BSW98]. **Thermodynamics** [Bor49]. **thermodynamique** [Bor49]. **Thesis** [Bro05, FBD05]. **Things** [MB11a]. **Thinking** [Ano00, Dir87a]. **third** [Zic88]. **Thirties** [Hen84, Kra82]. **Thirty** [Gam66a, Gam66b, Gam72, Gam85]. **Thomas** [MR51, Csa81, Csa92, Dir30c, GG51, MHN98, Rij66, Tu91, YG77]. **Thomson** [Lak96, Fal97]. **Thought** [Dir79a, Pai90]. **Thoughts** [Dir05b]. **Three** [Ano33, HSD34b, Kam86, Wig01, BSW98, BV85, FA01, IU86]. **Three-dimensional** [Kam86, BV85, FA01, IU86]. **three-wave** [BSW98]. **tidy** [Mil97]. **tighter** [Rob85]. **Time** [AG03, BS67, BCJT16, Bek86, Ble86, CKYY07, CP68, DNRV03, Dir79l, Dys67, FK07, Gam67a, GT85a, GT85b, GT86, IRV⁺08, JRF06, Kha86, KPW86, Mar84, MWF07, SBK⁺08, Sch85, SV90, SV95, SCPA04, Tor87, WB78, WFC⁺99, Wil58, WBR76, WW86, AME14, Alp73, BO92, BMS02b, BVV84, BBSF10, Car01, Das93, DSW08, Dir53b, Dir73b, Dir73e, Dir74e, Dir78a, Dir80b, Dys72, DFW99, FA10, Fey48, FSY00, Han99, IT88, JM99, Jin91, KM92, KLMW88, LT04, LMSV08, Lev80, Mal75a, Mal75b, Nas86, Nil03a, RSK99, Sri89, Wig72b, YS03, Zas89, Zec96, dBDW⁺84].

time-dependent [AME14, RSK99]. **time-energy** [Wig72b]. **time-periodic** [FSY00]. **time-variation** [Nil03a]. **Times** [Ano30, ES10, IV85, IV87, KM84, Kle05, PT86, Rüd84, VP90]. **Todorov** [CY91]. **Together** [MB11a]. **told** [BR64, RRK⁺64]. **Tomonaga** [Sch94a]. **tool** [TKS19]. **Topics** [Tau62]. **Topological** [FK08]. **Topology** [AFG75]. **torsion** [UB83, Vul03]. **trace** [Eeg80, IKRT91]. **Traces** [IKRT89a, PKKL09]. **Tragedy** [Jon08]. **Transform** [YYH⁺01, Leo80]. **transformation** [CV90, Dir53b, NM84]. **transformations** [BC69, Dir45a, Dir50c, Dir52c, Eeg80, FG87, GB90, Kim80a, Kim80b, Pon05]. **Transformed** [Dat04]. **Transforming** [AT99]. **Transforms** [LR59]. **transitions** [Rob85]. **transitive** [KM84]. **Translations** [Ano75, HDW75]. **Travels** [Van72]. **treasury** [FF91]. **Treatment** [HJL00, WY84]. **trends** [LW78, Dor82]. **trial** [RS87]. **Triologue** [DOV02]. **Tributes** [K.L88, Stu88, Tay87b, Dar91, L.88]. **Trieste** [Dys74, Meh73, Ruf82, Sal69, BDH70]. **trio** [Ano13]. **trip** [WD06]. **triumph** [Gab13]. **Trudov** [Dir02, Dir03b, Dir04, Dir05b, Koz90]. **truly** [Alp73]. **Tuning** [Sta12]. **twentieth** [CM86, Wei77]. **twentieth-century** [CM86]. **twenty** [Zic88]. **twenty-third** [Zic88]. **twistorial** [Car94]. **Two** [LC98, Moh07, SCSB93, BMS02a, CV90, CY91, FA01, GL92, IT88, KM84, Kis98, MHN98, RSK99, Sem93, Ano34a]. **Two-body** [LC98, SCSB93, CV90, GL92, Sem93]. **two-dimensional** [FA01, IT88, Kis98, RSK99]. **two-parameter** [KM84]. **Tying** [MB11a]. **Type** [RRS06, Ser12, EM33a, FA10, Hos89, MD88, MB90, MS95]. **Typus** [EM33a].

U [Ryc17, Haa34, Wil36, Ber09, Dir42b]. **U-sphere** [Dir42b]. **UF** [DN96]. **unbounded** [Kae48]. **uncertainty** [Wig72b]. **undergraduates** [Tiw12]. **Underlie** [RK96]. **understanding** [Dir71b]. **unificaci3n** [SHD91]. **Unification** [Ell91, RM95, SDEW90, DNRV03, SHD91]. **Unified** [GG02, Mar65, Sch91a, Kur87a, Tjo75]. **Uniform** [Dir43a, RRS06, Dir42d, PFD43]. **Uniformly** [BCJT16]. **Unifying** [DSW08]. **Unit** [Nov74, Wal76, Sch38]. **Unit-Step** [Nov74, Wal76]. **unitaire** [PS32a, PS32b]. **Unitary** [Dir45c, FG87, Wig39, PS32a, PS32b, Wig89]. **Units** [McW73, SH59]. **Universe** [Bus10, RSV10, Bar02, Car01, Dir81c, HW06, II08, LMSV08, VC02, Sch41, Sri83]. **Università** [RCC⁺06]. **University** [Ble86, Dre90, F⁺00, Hal78, Hen89, Hen91, KPS⁺78, KP83, RS10, Sch85, Suc67, War96, BB03, CH16, CMO00, KN03, Lan87b, Oak00, Sta87]. **unknown** [Dir84e, ES10, PKKL09]. **Unorthodoxy** [DL82]. **Unravelling** [FR13]. **Unwinding** [MKS⁺13]. **Upper** [Sch06]. **USA** [BB03]. **Use** [Sta12, Dir55c, Dir71d, Inf53b]. **used** [Dir69b, Dir70a]. **Using** [AT99, Cra88, Csa92, QGW01, Bel91, CPV10, JT10, MB90, MB91, Mar88, RS87, Sei99, Vul03, Wot91].

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